

# BATTERYIQ: Advanced Technician Training



## PROVIDING ANSWERS OVER INFORMATION

Equip yourself with the knowledge and skills to safely and effectively mitigate lithium-ion battery incidents with BatteryIQ: Advanced Technician Training. Designed for first responders and HazMat technicians, this comprehensive 8-hour course prepares you to tackle emergencies ranging from cellphones and electric scooters to electric vehicles and energy storage system failures. Gain a simplified, actionable system for identifying, responding to, and mitigating lithium-ion battery emergencies.

### COURSE OVERVIEW

#### CLASSROOM (MORNING)

The course begins with an in-depth classroom session covering:

- Understanding Li-Ion Battery Risks: Explore the hazards associated with Lithium-Ion batteries in electric vehicles, including challenges in controlling and extinguishing fires, managing thermal runaway, and recognizing signs of potential battery damage/failure.
- Battery Response Guides:
- Each student receives essential Battery Response Guides to quickly categorize incidents by battery type and failure stage. These guides provide:
  - Hazard identification
  - PPE recommendations
  - Emergency operation tactics
  - Equipment selection

#### HANDS-ON (AFTERNOON)

Following the classroom instruction, participants will engage in hands-on training sessions including:

- Battery Failure Demonstrations: Learn from live demonstrations of battery failures caused by physical damage or overcharging.
- Equipment Usage: Engage with tools like Thermal Imaging Cameras (TIC) and pH/F paper to monitor and manage incidents.
- Battery Pack Dismantling & Disposal: Gain hands-on skills to safely dismantle and overpack battery packs and properly dispose of failed batteries.

### JOIN US AT THE NH HAZMAT CONFERENCE



DATE: APRIL 17, 2025

LOCATION:  
EDWARD CROSS TRAINING COMPLEX  
722 RIVERWOOD DRIVE  
PEMBROKE, NH

REGISTER TODAY!  
<http://midwesthazmat.org/>



# HazMat Officer Strategy and Tactics 1

## Incident Analysis and Planning

8-Hour On-Site Instructor Led  
Training with Tabletop Simulations

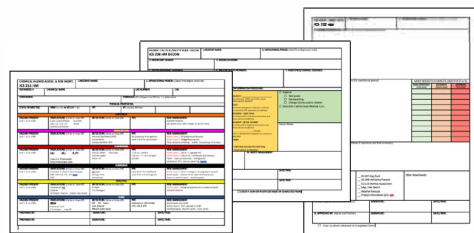
Quick “street level” HazMat  
IAPs that are consistent with  
NIMS and NFPA 470

### Course Topics

- Using tactical worksheets and ICS forms
- Gaining situational awareness
- First 5 questions to ask
- Initial briefing with the incident commander
- Analyzing an incident
- Determining incident priorities
- Establishing response objectives
- Developing, evaluating, and recommending Establishing control zones

### Worksheets that Work

Host agencies will receive electronic copies of worksheets and streamlined ICS forms to assist in developing easy IAPs at a HazMat incident.



### COURSE DESCRIPTION

This 8-hour course will help prepare hazardous materials officers and experienced technicians to serve as the HazMat Group Supervisor or Branch Director at a HazMat incident including transportation emergencies.

The HazMat Officer Strategy and Tactics 1 (HOST1) course focuses on working with the incident commander and supporting agencies to develop quick, “street level” incident action plans (IAP) for small to large HazMat incidents. Participants will learn a simple, repeatable, process for HazMat IAP development and documentation that is easy to implement and is consistent with the National Incident Management System (NIMS) and NFPA 470 APIET (analyze, plan, implement, evaluate, and terminate) process.

Students will participate in multiple HazMat incident tabletop simulations to practice rapid IAP development.

**CONTACT US!**

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# HazMat Technician

## Basic Skills Refresher

Whether fresh out of Tech school or a seasoned vet, all HazMat Technicians need to ensure they have a firm understanding of basic principles. Chemical and physical properties, air monitoring best practices, information resources and various chemical classification and identification techniques.

# HazMat Technician

## Basic Skills Refresher

### Course Overview

With the expanded role of emergency responders, it is difficult to maintain competence in the many specialties like HazMat response. This course aims to provide a refresher/review of basic information that every HazMat Technician should understand. The information presented will provide an appropriate foundation for future learning.

### Course Content

This class will cover:

Basic chem/physical properties and their relevance to the responder.

Air monitor basics and common issues/concerns.

The use of colorimetric instruments, wet chemistry and advanced technologies along with their role in the modern HazMat Team.

### Delivery

A strong emphasis is placed on hands-on learning. Students are encouraged to bring their own multi-gas monitors, advanced technologies and colorimetrics (pH, F paper, tubes, etc.) Safety glasses and nitrile gloves will be required and the occasional fireball should be expected. 7.5 hour run-time.

### Tony Arcuri

Since 2000, Tony has served the citizens of West Metro Fire/Rescue in Lakewood, Colorado. In addition to his primary role as Driver/Operator he has been a HazMat Technician since 2009. Additional training includes Highway Specialist, Radiation Specialist and Advanced FTIR analysis. He is a lead instructor for Signet North America and a trainer for 908 Devices.