

## Ammonia Safety & Emergency Response Training (ASERT<sup>SM</sup>)



Prepare to effectively manage ammonia incidents from start to finish. This session begins with an overview of anhydrous ammonia properties, transportation, containers, release types, troubleshooting, and response strategies.

We will cover control and containment tactics from both offensive and defensive perspectives, discussing key lessons learned through real-life case studies of stationary facilities and transportation incidents, along with live release training footage.

After a safety briefing and drill preparation, the second half of the day will focus on hands-on live release training in the field, primarily emphasizing tarp and cover operations for control and containment of anhydrous ammonia.

**Two Opportunities to attend this 8-hour hands-on free training course! (Lunch provided)**

**Dates:** [August 1<sup>st</sup>](#) or [August 2<sup>nd</sup>](#), 2025 (20 max, first-come, first-served)

**Time:** 8:30am-4:30pm

**Location:** [DEP Office, 4<sup>th</sup> floor, 106 Hogan Road, Bangor, ME](#)

**Registration:** Please email the following information to [maine.serc@maine.gov](mailto:maine.serc@maine.gov) or fax to **207-287-3178**.

Agency/Dept  
Phone Number  
Email Address  
Class Date Attending

**The course is appropriate for first responders (firefighters, police officers, EMS), other emergency responders, and Hazardous Materials Technicians.**

## **PPE Requirements:**

### Entry and Backup:

Level A ensembles (OR Encapsulated Level B ensembles). Since we will be outside, encapsulated B would be ok. More is better since we try to dress out as many as possible and rotate one team after the other.

Note: suits (**real ones, not trainers**), SCBAs, outer boots, inner gloves, outer gloves, etc.

Environmental monitors: Air sampling/metering equipment

### Decon:

Level B ensembles or basic bunker/SCBA

Litmus paper or pH paper

## **Objectives:**

- Obtain knowledge to make risk-based response decisions and determine response tactics involving an ammonia leak or incident, based on ammonia's characteristics, type of releases being encountered, indoor/outdoor situations/hazards/concerns, types of container/packaging and an assessment of the event.
- Obtain knowledge in order to implement basic control and containment options for anhydrous ammonia. Know how to perform basic control, containment and/or confinement operations within the capabilities of the resources and PPE available and perform advance control, containment, and/or confinement operations within the capabilities of the resources and personal protective equipment available with the unit.
- Understand the potential release phases that can be encountered when dealing with an anhydrous ammonia release.
- Understand real life cloud modeling and weather impacts on ammonia releases and release phases.
- Obtain basic knowledge of selected ammonia processes and equipment involved; the configuration, recognition, identification, and trouble shooting incidents with transportation containers and support resources available.