

**S.A.F.E.R.**

# **SPILL ACTIONS FOR EMERGENCY RESPONSE 16 HOUR COURSE**



**HAZ-MATTERS**  
EMERGENCY MANAGEMENT INC.

**CSA Z731, CSA Z246.2, ALBERTA DIRECTIVE 71  
NFPA 472, NFPA 1600  
ICS 100/200/300**



# Why Choose HAZ-MATTERS?



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Spill Actions for Emergency Response, S.A.F.E.R, was developed by HAZ-MATTERS to provide a thorough level of understanding of spill response techniques to employees who become engaged in spill remedial activities throughout a variety of situations. S.A.F.E.R. substantially improves employee hazard understanding at the worksite while empowering an operations level of response competency for employees exposed to any chemical hazards that arise from any situation.

The course developed by HAZ-MATTERS has roots in the Canadian CSA Standards Z731 and Z246.2 for Emergency Preparedness, Management and Response, as well as NFPA 472 and 1600 Hazardous Materials Technician and Disaster Management. Our course has been thoroughly enhanced to reflect universal and globally recognized “Best Practice” techniques and principles, and has a foundation in the operations principles outlined by the Incident Command System, ICS 100/200/300.

Our course is unlike all the other general spill response courses out there –we know that most of our students are getting into much more precarious and unknown situations than just one type of release, so we don’t train for one type of event, but provide the tools to be used for ANY type of event. Whether you’re a seasoned veteran or new to the industry, we focus on Real-Life hazard understanding that comes from Real-Life hands-on experience. The result is that we provide a 2-day course with clearly defined methods and protocols used by responders internationally to ensure that personnel operate in the safest possible manner in environments that include:

- ◆ Hazardous materials events with known and unknown compounds
- ◆ Oil and Brine (produced water) spills from pipeline releases on water or land
- ◆ Motor vehicle scenes

HAZ-MATTERS prides ourselves on our reputation for providing clear understanding to complex and technical information for all levels of experience. It is the cornerstone of our service, and continues to always be our primary goal.



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HAZ-MATTERS doesn't believe that exams and a certificate is what makes the difference to a person – what makes a difference is having the tools that will help you for the rest of your career.

In fact, we believe that memory creates mistakes so we help you learn to use the tools at hand so that you don't have to remember very much at all. We still provide you with some open book tests as we go along to challenge you as well as certification in S.A.F.E.R. and ICS 100, but most importantly we provide you with the working tools to be able to always start with what we call our Number 1 Rule:

*"IF YOU DON'T KNOW WHAT YOU'RE GETTING INTO, HOW CAN YOU POSSIBLY KNOW HOW TO GET OUT?"*

So we focus on:

- ◆ The four (4) pillars of the Disaster Cycle – Prevention, Preparation, Response, and Recovery,
- ◆ The Incident Command System, ICS, and the structure and roles within this system,
- ◆ The four (4) levels of personal protective equipment (PPE) and how we decide what to use,
- ◆ How to evaluate the possibility of a fire hazard and what the Upper and Lower Explosion Limits are as well as clear fire chemistry concepts,
- ◆ Spill response initiation actions and techniques
- ◆ Containment procedures and tools
- ◆ Recovery techniques and equipment

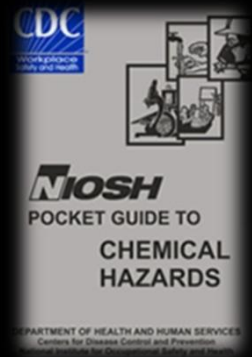
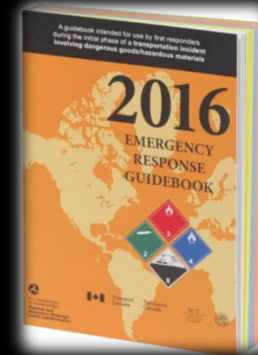
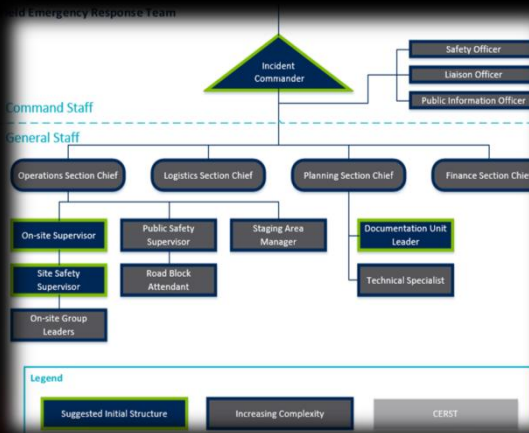
# DAY 1 AGENDA



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## SAFETY AND INCIDENT COMMAND SYSTEM

- ◆ Regulations and Level of Competency
- ◆ Emergency Management Pillars
- ◆ ICS 100 Certification
- ◆ Emergency Response Guidebook
- ◆ NIOSH Pocket Guide
- ◆ Hazard and Risk Assessment
- ◆ Chemical Exposure
- ◆ Flammability and Explosive Limits
- ◆ Personal Protective Equipment, PPE
- ◆ Chemical Protective Clothing





# DAY 2 AGENDA



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## RESPONSE

- ◆ Gas Monitoring
- ◆ Reporting
- ◆ Scene Access
- ◆ Objectives
- ◆ Protecting Workers
- ◆ Containment and Control Principles
- ◆ Initial Response Strategy
- ◆ Spill Containment: Booms, Sorbents, and Dispersants
- ◆ Skimmers
- ◆ Shoreline Cleanup and Assessment Technique, SCAT

