

# Arkansas HazMat Weekend Course Descriptions

## **Railcar Safety Course (8 hours) 0800-1630 9/20/13 or 0800-1630 9/21/13**

A unique offsite workshop focusing on response to railroad emergencies. The course is designed as 4 modules including tank car recognition and features, safely responding to TIH materials, tank car capping kits, tank car valves and fittings, and responding to locomotive emergencies. At the completion of the modules, students will be provided various scenarios to practically apply their new found skills. This workshop is primarily hands-on utilizing actual training cars. Training cars will consist of one flat car with simulated leak fittings, three tank cars (non pressure, chlorine, and ethylene oxide), two classroom cars, one tank car with various fittings/leaks, and one locomotive.

Work clothes, steel toe boots, and leather gloves are recommended.

## **Pulling the Trigger (8 hours) 0800-1630 9/20/13 or 0800-1630 9/21/13**

This onsite course will help responders to quickly, and efficiently arrive at the proper response, including PPE and mitigation efforts. It always seems that there is a paralysis by analysis at these incidents. In addition, we want to be sure that people understand just how regulated hazmat response is, and assist them with ICS and the required forms. We will cover ideas to help with the decision making and hazmat management process.

- What is it?
  - -Learning to quickly identify the material
- Can it hurt me?
  - -Through identification, find out what it can do to people.
- Can it hurt the environment?
- - Find the impact to environment.

Once we have answered those 3 questions, we'll know the appropriate PPE and the mitigation efforts to be used.

We'll discuss how important it is to follow the same procedures every time.

Incident action plan: This part of Pulling the Trigger will focus on building and implementation of the IAP. In this class you will learn, the basics of establishing the need of an IAP, whether oral or written, the parts contained in the plan, and how to progress through the incident and make changes to the plan along the way. We will cover operational tasks and assignments along with operational periods. This class will be scenario based and work together in groups.

The overall goal of the class is to streamline response and to easily navigate the required paperwork resulting in a more efficient response.

**Monitoring 101 (4 hours) 0800-1130 9/20/13 or 0800-1130 9/21/13**

This on site course will start with the basic detection devices that are available to the fire service. Radiation meters, PH paper, spill fighter strips, and four gas meters are the lowest level detectors out there. There will be an overview of how they work, why we need them and how to understand what each one is telling us. An overview of the options available for the four gas meters and what sensors are available. P.I.D detectors will be discussed, how they work and what situations they are good for. Infrared and other technology will be discussed.

The second half of the class will be talking about the fire ground and what toxins are present. How to look for it, how to avoid it and the treatments that are available if someone breaths smoke. We specifically discuss Carbon Monoxide and Hydrogen Cyanide, how they are created in the smoke and their action in the body.

**What's Out There (4 hours) 0800-1130 9/20/13 or 0800-1130 9/21/13**

This on site course will cover Recon and assessment of abandoned chemicals. This hands-on course students will:

- Understand what has been reported
- Locate Hazards
- Identify the chemicals found
- Assess the condition of containers
- Verify any leaks or damage
- Mitigate leaks, breaches or spills

The next part of this course will cover the operation of a Weatherpak weather station and the use of CAMEO suite to:

- Relay current weather to Incident Command
- Establish control zones
- Use CAMEO Chemicals to determine PPE for Entry teams and determine possible hazards such as water reactivity and mixture hazards

**In Suit Survival (4 hours) 1300-1630 9/20/13 or 1300-1630 9/21/13**

The purpose of this class is to refresh responder's skills while working in Level A suits. We don't don Level A suits very often and this class will help us become more confident in our training and in ourselves. After a review of safety procedures regarding donning, doffing and working in Level A, the students will:

- Don Level A
- Bucket Test
- Perform Valve Operation
- Physical Agility
- Stair Climb
- Diminishing Clearance
- Use if Monitor while in suit
- Water Safety

**White Powder Protocols (4 Hours) 1300-1630 9/20/13 or 1300-1630 9/21/13**

This on site course will discuss the new Arkansas White Powder Protocols which were developed to help responders make safe and logical decisions when responding to a white powder incident