



Florida District IX Local Emergency Planning Committee  
Southwest Florida Regional Planning Council

## Air Monitoring for Hazardous Materials Technicians

**July 27 – 29, 2009 • 0830 – 1730**

Florida Department of Law Enforcement  
Ft Myers Regional Office – Training Center  
4700 Terminal Drive Suite 6 • Ft Myers, Florida 33907



Register online

[www.responsetechnologies.com/calendar.asp](http://www.responsetechnologies.com/calendar.asp)

See “How to Register for a Seat” below

### **Program Goal:**

This program is designed to provide the participants with an understanding of the principles and proper use of air monitoring and analytical equipment during hazardous materials emergency response. The program steps the participant through the hazard assessment, dispersion prediction and verification process necessary for effective air monitoring operations. Once students are provided with the essential basic understanding of the principles, they are then provided with opportunities for hands-on application during both tabletop and simulation settings. Topics include:

#### **Basic Principles**

- Chemistry related to air monitoring
- Establishing action levels
- Instrument factors and inherent safety
- Field maintenance and documentation
- Application of air monitoring strategy

#### **Common Instruments and Applications**

- Corrosivity and radiological
- Ludlums 2241-2RK
- Oxygen and combustible gas detectors
- Instrument calibration procedures

#### **Toxicity Monitoring**

- Exposure limits and calculations
- Photo ionization detectors
- Flame ionization detector and the TVA 1000B
- Dräger® CDS and simultaneous applications
- Military detection (M8, M9)
- Personal sampling monitors

#### **Advanced Instruments**

- Ion Mobility Spectrometry (APD 2000)
- Surface Acoustical Wave (HazMat CAD)
- IR Spectrometry (Miran Sapphire & Travel IR)

### **Target Audience:**

The target audience for this program includes emergency response personnel responsible for the implementation of air monitoring procedures and the analysis of unidentified hazardous materials during incidents involving the release of potentially hazardous substances. Both active hazardous materials technicians and those persons studying for such a position will benefit from this program. Although attendance in a basic field hazardous materials chemistry program is helpful, it is not a prerequisite for this class.

### **Program Cost:**

This program is provided by the Southwest Florida Local Emergency Planning Committee (LEPC District 9) under federal grant funds and is free of charge to hazardous materials responders.

### **How to Register for a Seat:**

Seating for this program is limited to 25 persons with priority being given to Hazardous Materials Technicians from emergency response organizations inside the LEPC District 9. Register online at the Response Technologies website at <http://www.responsetechnologies.com/Calendar.asp>. Select the “Register Now” link next to the class desired and complete the requested information. If you have questions or, if you need to cancel a previously made registration, please contact Response Technologies at 941-371-7849.