

COURSE TITLE:		<b>Hazardous Materials Response to Illicit Laboratories</b>		Course No. & Version:	<b>HAZ016</b>
TOPIC AREA:		<b>Hazardous Labs</b>		LEVEL:	<b>Mission Specific / Tech</b>
SOURCE:		<b>Internal</b>		Course No.	
PRIMARY DOMAIN:		<input type="checkbox"/> Didactic <input type="checkbox"/> Psychomotor <input checked="" type="checkbox"/> Combination			
DELIVERY METHOD:		<b>40 % Lecture 50% Hands-on 0 % Distanced</b> <b>10% Other: Table top activities</b>			
DURATION:		Hrs <b>24</b>	SCHEDULING:	<b>Three Days 0830 – 1730</b>	
PROGRAM GOAL:		Upon completion of this training program, the Hazardous Materials Responder assigned to illicit laboratory incidents and working with law enforcement personnel shall be able to analyze the incident to determine the possibility of criminal intent. Once the analysis is complete, the participant shall be able to conduct a hazard/risk assessment and develop and implement a plan for public safety sampling and evidence collection operations using appropriate safety measures.			
TARGET AUDIENCE:		Hazardous materials responders and law enforcement personnel trained to either operations or technician level of hazardous materials response and who have responsibility for joint operations at clandestine laboratories.			
COURSE DESCRIPTION:		This three day program provides the participant with information and skills necessary for the safe and coordinated joint fire service and law enforcement response to incidents involving clandestine labs. The program focuses on risk assessment and the development of a “risk based” response. Instruction is provided concerning the various labs and processes used, illegal implications, unified incident management, detection, field analysis and screening, personal protection and scene processing. The class is heavily orientated toward hands-on learning. Participants are required to have previous training in chemical protective PPE and technical decontamination prior to participating in the operations or technician class session evolutions.			
MAX STUDENTS:		<b>24</b>		MAX INST. RATIO:	<b>1:8</b>
STANDARDS MET:		NFPA 472 “Professional Competencies for Responders to Hazardous Materials and Weapons of Mass Destruction Incidents”  Florida SERC Hazardous Materials Training Guidelines			
NOTES					

## Course Goal

Upon completion of this training program, the Hazardous Materials Responder assigned to illicit laboratory incidents and working with law enforcement personnel shall be able to analyze the incident to determine possibility of criminal intent. Once the analysis is complete, the participant shall be able to conduct a hazard/risk assessment and develop and implement a plan for public safety sampling and evidence collection operations using appropriate safety measures.

## Educational Objectives

### Identify the legal implications of illicit laboratory operations

Given examples of illicit laboratory operations, describe the agencies that have investigative authority and operational responsibility to support the response.

Define reasonable suspicion and probable cause as it relates to obtaining a warrant and planning and executing a raid on a potential illicit laboratory operation.

Conduct a hazard/risk assessment in order to develop appropriate safety procedures and tactical plans for the incident.

Identify the appropriate containers and labeling requirements for the transportation of hazardous materials commonly associated with illicit laboratory operations in accordance with Hazardous Materials Table US DOT 49 CFR 172.101.

Given a simulated illicit drug/WMD laboratory incident, the operations level responder assigned to respond to illicit laboratory incidents shall describe joint agency crime scene operations, including support to forensic crime scene processing teams.

### Recognize and analyze potential hazards and risks associated with illicit laboratories:

Identify the unique aspects associated with illicit laboratories, hazardous materials/WMD incidents, and environmental crimes.

Given examples of illicit drug, chemical WMD, biological and explosive laboratory operations, describe the considerations for determining which type of operation is likely present and the potential general hazards and risks for each.

Identify by US DOT Table of Hazardous Materials & the North American Emergency Response Guidebook the classification and division of hazardous materials commonly encounter at clandestine laboratories.

---

Given examples of illicit laboratory operations, describe the potential booby-traps and the indicators of such devices that have been encountered by response personnel.

Identify the factors to be evaluated and select the personal protective equipment required to respond to illicit laboratory incidents based upon local procedures.

Identify the appropriate decontamination procedures that shall be implemented based upon the hazard risk assessment of the incident.

Develop an air monitoring plan necessary to identify potential IDLH conditions during illicit laboratory operations.

Given simulated illicit laboratories, the participant shall demonstrate the ability to implement or oversee the proper implementation of the following activities:

1. Safe and effective methods for securing the scene
2. Proper decontamination procedures
3. Means to identify and/or avoid potential unique safety hazards such as booby-traps and releases of hazardous materials
4. The proper conduct of joint hazardous materials/EOD/law enforcement operations

### **Develop and implement an Incident Action Plan**

Identify the components of the FBI 12 process as it is applied to sample collection during an illicit drug laboratory response.

Given an incident involving illicit drug laboratory describe the following procedures:

- Secure, characterize, and preserve the scene
- Document personnel and scene activities associated with incident
- Determine whether or not the responders are within their legal authority to perform evidence preservation and sampling tasks
- Notify the agency with investigative authority
- Notify the Explosive Ordnance Disposal (EOD) personnel

Given an incident involving illicit drug laboratories and while functioning with law enforcement personnel the responder shall be able to identify:

- Potential samples or evidence that exhibits prosecutorial merit
- The sampling options associated with liquid and solid sample/evidence collection.
- The field screening protocols for samples/evidence to be collected.
- The applicable sampling equipment to properly collect the samples or evidence

Given an incident involving illicit laboratories demonstrate the following procedures:

---

- Procedures to protect samples and evidence from cross contamination
- Documentation procedures
- Evidentiary sampling techniques
- Field screening protocols for sample/evidence collected
- Evidence labeling and packaging procedures
- Evidence decontamination procedures
- Evidence packaging procedures for evidence transportation
- Chain of custody procedures

Given examples of different types of illicit laboratories, identify and describe the application, use, and limitations of the various types field screening tools that can be utilized for screening the following:

- Corrosivity
- Flammability
- Oxidation
- Radioactivity
- Volatile organic compounds (VOC)

Describe the potential adverse impact of using destructive field screening techniques.

Describe the procedures for maintaining the evidentiary integrity of any item removed from the crime scene.

Given the incident action plan for a criminal incident involving hazardous materials/WMD, implement, or oversee the implementation of, the selected response actions safely and effectively:

- Secure, characterize, and preserve the scene.
  - Document personnel and scene activities associated with incident.
  - Describe whether or not the responders are within their legal authority to perform evidence preservation and sampling tasks.
  - Notify the agency with investigative authority.
  - Notify the EOD personnel.
  - Identify potential sample/evidence to be collected.
  - Demonstrate the procedures to protect samples and evidence from cross contamination.
  - Demonstrate the correct techniques to collect samples utilizing the equipment provided.
  - Demonstrate the documentation procedures.
  - Demonstrate field screening protocols for sample/evidence collected.
  - Demonstrate evidence labeling and packaging procedures.
  - Demonstrate evidence packaging procedures for transportation that are compliant with US DOT 49 CFR 172.101.
-

### **Incident Termination**

Given a situation involving a response to illicit drug laboratories, demonstrate the ability to properly terminate the response by:

- Identify the requirements for on scene incident debriefing
  - Identify the requirements for post incident analysis
  - Properly terminate and document your actions at the incident
-

### Educational Prerequisites

Prior to attending the hands-on portion of this program, the participant must be trained and provide documentation of training to a minimum of the following competencies:

- Core competencies of the Operations Level of response as defined by the National Fire Protection Association (NFPA) 472 Standards for Competence of Responders to Hazardous Materials / Weapons of Mass Destruction Incidents, **and**
- Mission Specific Personal Protective Equipment competencies of NFPA 472 for personal protective equipment provided by their employer, **and**
- Mission Specific Technical Decontamination competencies of NFPA 472 based upon the policies and procedures established by their organization, **and**
- Mission Specific for Air Monitoring competencies of NFPA 472 based upon the detection equipment provided by their employer

**or**

- Hazardous Materials Technician as defined by the National Fire Protection Association (NFPA) 472 Standards for Competence of Responders to Hazardous Materials / Weapons of Mass Destruction Incidents or equivalent.
-

## Course Schedule

### Day 1

#### **Morning**

Registration  
Welcome and Course Introduction  
The Illicit Lab Problem and Basic Recognition  
Legal and Prosecutorial Implications  
Case Studies and Results

#### **Lunch**

Clandestine Drug Lab Processes  
    Types  
    Apparatus  
    Chemical Processes  
Hazard Risk Assessment  
Table Top Scenarios and Hazard/Risk Assessment

### Day 2

#### **Morning**

Quiz “Legal, Recognition and Risk Assessment”  
Air Monitoring and Field Screening Procedures  
Sampling Materials, Methods and Techniques

#### **Lunch**

FBI 12 Step Process  
Scene documentation and Photography  
Concurrent Learning Stations  
    Air Monitoring and Screening  
    Sampling Skills  
    Material Packaging for Transportation  
Developing a Sampling Plan

### Day 3

#### **Morning**

Applied Evaluation “Developing a Sampling Plan”  
Clandestine Drug Lab Scenario # 1  
Clandestine Drug Lab Scenario # 2  
Clandestine Drug Lab Scenario # 3  
Skills Documentation and Sign off  
Course Evaluation  
Program Closure

---