

# REQUIREMENTS

## HAZARDOUS MATERIALS INCIDENT RESPONSE OPERATIONS (HMIRO) (165.5)

### FACILITY REQUIREMENTS

#### 1. Classroom Space

A minimum of three rooms of approximately 50×30 feet is required. One room will serve as the primary classroom. It should contain enough tables and chairs to comfortably seat 28 students and provide about 2–3 linear feet of desk space per student. Two extra tables will be needed at the rear of the classroom for instructor use. A second room will be used as an ancillary classroom (for up to 14 students) during split sessions. The third room will be used for exercises, equipment storage, assembly, and maintenance. The classrooms should have adjustable lighting, adequate ventilation, and electrical outlets, and be close in proximity to allow equipment to be easily moved between rooms. Hotels are not suitable for this course.

#### 2. Facility Access

For security and accountability of EPA property, **ERTP staff will require 24-hour exclusive access to and use of the classrooms from course setup through closure.** The course director will arrange the initial setup time and discuss exclusive use requirements with the facility contact. Course setup is normally conducted on **Sunday** afternoon. If classrooms are not on the ground floor of the facility, elevator access should be provided for movement of equipment throughout the facility.

#### 3. Audio-visual Equipment

The classroom should contain the following materials:

- White board, markers, and erasers.
- One-half-inch VHS VCR with color monitor (minimum 19-inch diagonal).
- Computer projector, if available.

These materials will be needed Monday morning through Friday afternoon. If the VCR and monitor are not available at the facility, the local contact must locate a nearby rental agency and make arrangements to have the desired equipment delivered to the facility for use during the course. These arrangements should be made in a timely fashion to ensure availability. If the remaining materials are not available at the facility, please notify the course director so alternate arrangements can be made to ship these materials to the facility.

#### 4. Outdoor Space/Field Exercise Area

The following areas must be made available for the incident simulations on specified days of the week:

- A. Two rooms of approximately the same size (*preferably about 20×20 feet*) are required on Thursday to simulate two identical abandoned chemical warehouses. Only one entrance to the room is necessary. If two rooms are unavailable, one large room (*20×40 foot minimum*) that can be divided will suffice. These rooms should be in close proximity to the classrooms and equipment storage area. No changes or substitutes may be made unless the course director determines that the proposed changes or substitutes will not negatively impact the exercises. Please note that these two rooms are in addition to the other three rooms. Additional indoor or outdoor space (*approximately 100×40 feet*) is also needed for the decontamination area.

- B. An outdoor grassy area of about 100×200 feet in close proximity to the facility is required for the exercises during the week and for the Superfund site simulation on Friday.

## **5. Compressed Gas Cylinders**

- A. HMIRO uses a minimum of 4,320 cubic feet (approximately 18 cylinders at 240 cubic feet per cylinder) of breathing air onsite to recharge SCBA cylinders. These will normally be delivered on the Monday of the course, and picked up on Friday.
- B. HMIRO uses eight compressed gas cylinders with various calibrated gases for air monitoring instrument calibration and use. These will be shipped via Federal Express. The cylinders will normally arrive on the Thursday or Friday before the course, and will be shipped out on the Tuesday of the course.
- C. A suitable storage area close to the classrooms is needed for the storage of these compressed gas cylinders. They can be stored with the rest of the course equipment if that is acceptable to the facility contact.

## **6. Actors**

The following actors (*they should not be known to the participants*) are suggested for the Friday response incident exercise. They will add to the realistic effect of this exercise. Their participation will be coordinated by the course director.

- A. A concerned citizen.
- B. A reporter (the most important player). This actor is essential, even if the other participants are unavailable.
- C. A local health official, mayor, or council member.

## **7. Refreshments and Meals**

Coffee and soft drinks that students can purchase should be available near the classroom. A list of nearby, quick-service restaurants and maps to these restaurants should be provided to Environmental Response Training Program (ERTP) Training Registration 8 weeks prior to the course.

## **8. Telephones**

The facility should have telephones available for outgoing telephone calls. The facility contact should provide the course director with a telephone number that can be used for incoming emergency calls and messages.

## **9. Maps and Area Information**

A legible map (not hand drawn) indicating the locations of the facility and area hotels should be sent to ERTPT Training Registration 8 weeks prior to the course. Hotel names, addresses, telephone numbers, and regular and government rates should be included. Directions to and from the airport should also be provided, either on the facility and hotel map(s) or on a separate map. In addition, please include the telephone number of the local chamber of commerce.

## **PARTICIPANT INFORMATION**

This course is designed for personnel involved with the investigation and remediation of uncontrolled hazardous waste sites and, to a lesser extent, response to an accident involving hazardous materials.

No more than 30 participants may be enrolled in each HMIRO course. Any deviations in class size must be approved in advance by the course director. ERTTP Training Registration and the local contact must coordinate participant registration. Any questions the participants have about enrollment in ERTTP courses should be directed to ERTTP Training Registration (participants in EPA Regions 1 and 6 should direct questions to the regional training contact).

- Work clothes and appropriate outdoor clothing (in case of inclement weather) are recommended.
- Participants who are severely restricted without their eyeglasses may want to bring a spectacle kit suitable for the MSA II self-contained breathing apparatus (SCBA). Contact lenses can be worn with SCBA.
- The course lasts 5 days.
- Classes begin at 8 a.m. and run until 6:00 p.m. Monday through Thursday; the course ends at 1:30 p.m. on Friday.
- To receive an EPA course certificate, 100 percent attendance is mandatory.

## **SHIPPING REQUIREMENTS**

### **1. Facility Contact**

The name and telephone number of the facility contact should be provided to ERTTP Training Registration. The facility contact will be responsible for receiving a shipment from a commercial carrier of approximately 100 shipping cases and 55-gallon drums weighing 6000–6500 pounds. The equipment will arrive on Friday before the course and must be stored in a secured area until setup. The facility contact should keep all shipping manifests and Federal Express airbills and give them to the course director.

### **2. Equipment Delivery**

Normal delivery of equipment is on the Friday prior to the start of the course between 12:00 noon and 2:00 p.m. via commercial carrier with tractor-trailer. The course director will verify whether the shipment has been received at the facility. ERTTP staff will call the commercial carrier to trace the shipment, if necessary.

The commercial carrier will have an assistant to help move the equipment into the designated rooms; facility staff are restricted from helping unload the equipment. If the commercial carrier has any problems, ERTTP staff will be contacted by the carrier for assistance.

Course materials are shipped via Federal Express. The physical address (if different from the mailing address), telephone number, and hours of operation for the facility must be provided to ERTTP staff so shipping arrangements can be made. Federal Express will not deliver to post office boxes or leave materials after hours.

Facility and facility staff must be able to receive shipments of compressed gas cylinders and provide an area suitable for delivery and storage of breathing air cylinders.

### **3. Bills of Lading**

When receiving equipment, the facility contact should sign the moving subcontractor's bill of lading and accessorial services. The driver will leave a copy of all shipping documents, which should be given to the course director.

When the commercial mover picks up the equipment, the facility contact should sign the moving subcontractor's bill of lading and accessorial services and forward them to E RTP, 1930 Radcliff Drive, Cincinnati, OH 45204.

### **4. Shipping Equipment**

Normal pickup for equipment is on the Friday of the course between 12:00 noon and 2:00 p.m. The commercial carrier will arrive with an assistant to load the equipment; facility staff are restricted from loading the equipment. If the commercial carrier has any problems, E RTP staff will be notified by the carrier.

Materials returning to Cincinnati via Federal Express will be picked up between 12:00 noon and 4:30 p.m.

### **5. Shipping Preparations Questionnaire**

The following information assists E RTP in making shipping arrangements to local facilities. Local contacts should be prepared to answer the following questions.

- Is there 18-wheel truck access to the facility (loading dock)?
- Is the area where equipment will be off-loaded >75 feet from where the truck will dock?
- Are there stairs to the classroom? If so, how many flights?
- Is there an elevator the commercial movers or Federal Express employees will have to use?
- Will delivery on the Friday before the course between 12:00 noon and 2:00 p.m. be a problem?
- Does the facility close early on Fridays?
- What are the normal operating hours of the facility?
- Will facility access be available on Sunday?