



Training Solutions, Delivered!

PERMIT-REQUIRED CONFINED SPACES: ATMOSPHERIC TESTING & MONITORING

**Leader's Guide, Fact Sheet
& Quiz**

Item Number: 5255
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This easy-to-use Leader's Guide is provided to assist in conducting a successful presentation.

PREPARING FOR THE MEETING

Here are a few suggestions for using this program:

- a) Review the contents of the Fact Sheet that immediately follows this page to familiarize yourself with the program topic and the training points discussed in the program. The Fact Sheet also includes a list of Program Objectives that details the information that participants should learn from watching the program.
- b) If required by your organization, make an attendance record to be signed by each participant to document the training to be conducted.
- c) Prepare the area and equipment to be used for the training. Make sure the watching environment is comfortable and free from outside distractions. Also, ensure that participants can see and hear the TV screen or computer monitor without obstructions.
- d) Make copies of the Review Quiz included at the end of this Leader's Guide to be completed by participants at the conclusion of the presentation. Be aware that the page containing the answers to the quiz comes before the quiz itself, which is on the final page.

CONDUCTING THE PRESENTATION

- a) Begin the meeting by welcoming the participants. Introduce yourself and give each person an opportunity to become acquainted if there are new people joining the training session.
- b) Introduce the program by its title and explain to participants what they are expected to learn as stated in the Program Objectives of the Fact Sheet.
- c) Play the program without interruption. Upon completion, lead discussions about your organization's specific policies regarding the subject matter. Make sure to note any unique hazards associated with the program's topic that participants may encounter while performing their job duties at your facility.
- d) Hand out copies of the review quiz to all of the participants and make sure each one completes it before concluding the training session.

5255 PERMIT-REQUIRED CONFINED SPACES: ATMOSPHERIC TESTING & MONITORING FACT SHEET

LENGTH: 1:52 MINUTES

PROGRAM SYNOPSIS:

Atmospheric testing and monitoring are used to detect the presence of atmospheric hazards prior to and during confined space entry operations. Testing the atmosphere of a confined space must be done with a calibrated, direct-reading instrument. Any employee who enters the space, or that employee's authorized representative, shall be provided an opportunity to observe the pre-entry atmospheric testing. If a hazardous atmosphere is detected at any time during the entry process, all employees must exit the space immediately.

PROGRAM OBJECTIVES:

After watching the program, the participant should be able to explain the following:

- What to test confined space atmosphere for;
- When to test the atmosphere;
- What to do when a hazardous atmosphere is detected.

INSTRUCTIONAL CONTENT:

PERMIT-REQUIRED CONFINED SPACES: ATMOSPHERIC TESTING & MONITORING

- Atmospheric testing and monitoring are used to detect the presence of atmospheric hazards prior to and during confined space entry operations.
- Testing the atmosphere of a confined space must be done with a calibrated, direct-reading instrument.
- Prior to initial entry, the atmosphere must be tested for oxygen content, flammable gases and vapors and potential toxic air contaminants. The testing must be done in this specific order.
- The test results must be recorded on the entry permit. The test results must be accompanied by the names or initials of the testers and an indication of when the tests were performed.
- Any employee who enters the space, or that employee's authorized representative, shall be provided an opportunity to observe the pre-entry atmospheric testing.
- When testing the atmosphere, it is critical that readings be taken at the top, middle and bottom of the space to locate varying concentrations of gas and vapors. This is because gases can accumulate at the top or bottom of a space depending on if they are more or less dense than air.
- If atmospheric testing indicates a hazardous atmosphere exists, forced-air ventilation must be used to eliminate the hazard before the space may be entered and the ventilation must continue while any employee is inside the space.
- Monitoring of the atmosphere must continue during the entry.
- If a hazardous atmosphere is detected at any time during the entry process, all employees must exit the space immediately.

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ANSWERS TO THE REVIEW QUIZ

1. b
2. d
3. b
4. a

PERMIT-REQUIRED CONFINED SPACES – ATMOSPHERIC TESTING & MONITORING
REVIEW QUIZ

Name _____ Date _____

The following questions are provided to determine how well you understand the information presented in this program.

1. The employees who plan to enter the space are not allowed to see the results of the initial atmospheric testing.
 - a. True
 - b. False

2. When testing the atmosphere, it is critical that readings be taken at the _____ of the confined space.
 - a. Top
 - b. Middle
 - c. Bottom
 - d. All of the above

3. When forced-air ventilation is used to eliminate an atmospheric hazard, for how long must the ventilation continue?
 - a. 1-hour beyond the last acceptable test
 - b. For as long as any employee is inside the space
 - c. For 30-minute alternating cycles for the duration of the entry

4. If a hazardous atmosphere is detected at any time during the entry process, all employees must exit the space immediately.
 - a. True
 - b. False