



Pennsylvania State Fire Academy

1150 Riverside Drive

Lewistown, PA 17044-1979

(717) 248 1115

In PA: 1 800 459 4096

FAX (717) 248 3580

Minimum Standard for Accreditation (MSA)

April 1997

Revised: June 2002

Course Title: Carbon Monoxide Detector Responses (CORE)

Length of Course: 3 Hours

Lecture/Lab Breakdown: 3/0

Prerequisites: None

Referenced Texts: Instructor manual for program in question.

Course Goal: This course has been developed for delivery to a target audience of trained fire service personnel, however previous firematics training is not required. The course is designed to familiarize the student with a conceptual understanding of the technology, the purpose and operation of a residential CO detector, information regarding fire department dispatch decisions, considerations for response, considerations for investigation, a framework for working with outside agency assistance and resources for public education.

Description of Course: The course is a 3 hour lecture program designed to give responders the information needed to effectively and safely respond to incidents involving the known or suspected presence of carbon monoxide; particularly the activation of residential carbon monoxide alarms.

Description of Methodology to be used: (Brief) Lecture and demonstration

Student Equipment/Supply Needs: Students will need a pad of paper and writing instrument. Handouts as specific to the particular program used.

Equipment/Audiovisual/Supply requirements: VHS/VCR, Monitor(s), Screen, Slide projector, Overhead projector. (Check specific program requirements)

COURSE OUTLINE

<u>Time</u>	<u>Content</u>	<u>Notes</u>
:30	Course Overview	
:20	Unit 1: CO - The Invisible Danger	
:30	Unit 2: CO Detectors	
:45	Unit 3: Responding to a CO Detector Activation	
:20	Unit 4: Working with Outside Agencies	
:20	Unit 5: Public Education and Interagency Cooperation	
:15	Summary	

MINIMUM STANDARDS FOR ACCREDITATION

Fire Department Response to Carbon Monoxide Detector Calls (CORE)

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Competency Evaluation Mechanism (Brief description-attach copy): Direct questioning by instructor during course; optional written exam at conclusion.

Course Objectives (specific): At the conclusion of the class the participant will be able to:

- 1.1 understand what CO is, who is at risk, and why CO is a danger.
- 1.2 identify sources of CO associated with a residential environment.
- 1.3 recognize symptoms of CO poisoning.
- 2.1 understand the relationship between CO exposure levels and detector activation standards.
- 2.2 understand the basic technology and operating principles of CO detectors.
- 2.3 identify common CO detector installation practices and problems.
- 3.1 discriminate between CO exposures that represent emergencies and those that do not.
- 3.2 cite considerations used for making decisions on dispatch and response policies for CO detector calls.
- 3.3 understand the types and operating principles of field investigation instruments that are appropriate for CO calls.
- 3.4 learn effective methods of measuring CO levels and locating CO sources.
- 3.5 understand the correct procedures for returning CO detectors to service.
- 4.1 understand the importance of establishing a working relationship with agencies that can provide support and resources to emergency response organizations for CO incidents.
- 5.1 identify information that can be used for public education efforts directed at CO dangers and use of detectors.

**Questions/Comments: Rita Wessel, Curriculum Specialist: Extension 106
rwessel@state.pa.us**