


SHELBYVILLE FIRE & RESCUE STANDARD OPERATING PROCEDURES

	SECTION: Operations	S.O.P: 109.10
	SUBJECT: Carbon Monoxide Response	PAGE: 1 of 3
	Approved By:	Effective Date: December 1, 2012
		Revision Date:

Purpose:

This policy dictates the appropriate actions to take during a Carbon Monoxide response.

Procedure:

1. Verify the status of building occupants. Any on-scene medical emergencies will be treated in a safe environment. Notify dispatch of the number of victims being treated, and determine if additional assistance is required on the scene. Crews will be in full PPE, including SCBAs when entering a structure that contains **10 PPM** of CO or more. Conduct readings and searches to ensure complete evacuation of the building. After the building is evacuated, crews will utilize the CO meter to determine the source of the structure according to the specifications. Readings shall be taken in all rooms/areas at the affected building, with windows and doors shut and with gas-powered appliances operating and not operating. The CO checklist shall be utilized to document findings and also give examples of appliances and other CO sources.
2. Utilizing the checklist, the cause of the detector activation will be determined. If there is a detection of CO, advise the owner of the property and tenant (if applicable) of the situation and complete the Carbon Monoxide – Notice of a Dangerous Situation form. Review the form and have the owner sign.
3. 20 PPM of CO is the general level at which this department recommends that the structure be evacuated, until the problem, or source can be located and corrected. Fire department personnel should be able to locate the problem, but shall not verify that the problem has been corrected. The structure should be ventilated as necessary to ensure CO levels are below 10 PPM before personnel leave the scene.
4. If no cause for detector activation can be found and no CO can be found, advise the owner to replace the batteries in the detector or the detector itself.
5. Advise the owner/occupant that we will re-check the building at any time, and also to notify the fire department anytime there is a suspected problem.



Location of Incident: _____
 Owner/Occupant: _____

Are any of the members of the household feeling ill? Yes No

Quick List
 Headache Yes No
 Fatigue Yes No
 Nausea Yes No
 Dizziness Yes No

Do you feel better when away from the house? Yes No

Number of detectors in the structure _____

Were CO sources shut off? Yes No
 If yes, which ones _____

Was fresh air let into the area? Yes No
 If yes, which areas _____

PPM acceptable? Yes No
 Average PPM reading _____

<u>Sources</u>	<u>Source Checklist</u>	<u>Location</u>	<u>PPM Reading</u>
Chimney	Clogged flue, blocked opening	_____	_____
Fireplace	Gas / Wood	_____	_____
Portable Heater	Emissions	_____	_____
Gas Refrigerator		_____	_____
Oven / Range		_____	_____
Cook Top Vent		_____	_____
Gas Dryer		_____	_____
Water Heater	Chimney Pipe	_____	_____
Furnace	Gas / Oil Leak	_____	_____
Flue / Chimney piping		_____	_____
Barbecue Grill	Enclosed Area	_____	_____
Car Garage	Running Car	_____	_____
Operating Fireplace	HVAC on, possible back-flow	_____	_____

Information on Defective Source:
 Make: _____ Model: _____ Serial: _____
 Firefighter Operating CO Monitor: _____
 Officer Completing Checklist: _____



****Notice of a Dangerous Situation****
Carbon Monoxide Exposure/Leak

The Shelbyville Fire & Rescue Responded to:

Property / Building Occupant: _____

Address: _____

Date: _____ Alarm Time: _____

A Carbon Monoxide Level of _____ PPM was recorded at that Location.
The Occupant (s) is / are advised to immediately.

LEVEL	CONCENTRATION	SUGGESTION
1	Less than 10 PPM	<i>We did not detect an elevated CO level at this time.</i> Check your CO monitor per manufacture recommendations. If necessary, install a replacement detector. If it activates again, call 911.
2	10 PPM – 50 PPM	<i>We have detected potentially dangerous levels of CO.</i> We recommend that you leave this location immediately. This structure is unsafe until repairs are made to the source of the CO.
3	Greater than 50 PPM	<i>We have detected potentially lethal levels of CO.</i> Leave this structure immediately. It is not safe until repairs are made to the source of the carbon monoxide.

1. Have all sources of CO checked / repaired by a licensed contractor. Shut off or eliminate the outside sources of CO.
2. Fire department members will assist in post-repair inspection with monitoring equipment, if requested.

Officer making Report: _____

Received by Owner / Occupant: _____