



ALTERNATIVE ENTRY PROCEDURES

This document lists the alternative entry procedures. It may be used as a checklist when permit space entry by the alternative procedures is allowed. The signature of the employer's representative verifies that the space is safe for entry. This certification shall be made before entry and shall be available to each employee entering the space.

Alternative entry procedures may be used in the following circumstances: The only hazard posed by the permit space is an actual or potential hazardous atmosphere; the employer can demonstrate that continuous forced air ventilation alone is sufficient to maintain the permit space safe for entry; and the employer develops monitoring and inspection data that supports the demonstration that continuous forced air ventilation alone is sufficient to maintain the permit space safe for entry.

Permit Space Location/ID: _____ Entry Date: _____

1. Eliminate any conditions making it unsafe to remove an entrance cover. List the hazards and precautions:
2. When the entrance covers are removed, promptly guard the entrance to prevent accidental falls through the opening and to protect the entrants from foreign objects. Describe the guards to be erected:
3. Before an employee enters the space, test the internal atmosphere for the following conditions, in the order given, and record below. List the acceptable range for the potential toxic air contaminants.

Oxygen Content Background: _____	In Space: _____	<u>Acceptable Range</u> 19.5% to 23.5%
Flammable Gas and Vapors: _____		0% to 10% LEL
Carbon Monoxide: _____	(0-25 ppm)	Hydrogen Sulfide: _____ (0-10 ppm)*

*Short term exposure limit. May only work for 10-minutes at the maximum concentration shown.

Note: Allow at least 30 seconds for each reading with the extension tubing connected to the instrument.

4. Provide continuous forced air ventilation as follows:
 - An employee may not enter the space until the forced air ventilation has eliminated any hazardous atmosphere.
 - Forced ventilation is so directed as to ventilate the immediate areas where an employee is or will be present within the space and shall continue until all employees have left the space.
 - The air supply for the forced air ventilation is from a clean source and does not increase the hazards in the space.
5. Continuous monitoring will be conducted. Employees must evacuate the space if the oxygen content drops below 19.5%, the flammable gas or vapor concentration is at or above 10% of the LEL, the toxic gases or vapor concentration exceeds 50% of the PEL.
6. If a hazardous atmosphere is detected during entry, each employee shall leave the space immediately; the space shall be evaluated to determine how the hazardous atmosphere developed; and measures shall be implemented to protect employees from the hazardous atmosphere before any subsequent entry takes place.

Entry Roster: Include entrant name and time in and time out:

1 _____ : _____ : _____ 2 _____ : _____ : _____

3 _____ : _____ : _____ 4 _____ : _____ : _____

I, _____, certify that these procedures have been followed and that the confined space is safe for entry.

Entry Supervisor Signature: _____ Date: _____