



PERMIT SPACE ENTRY PROCEDURE

Description of Permit Space:

Permit-Space Number (PS#):

Photo or Sketch:

Points of Entry:

Entry Type (Full Permit, alternative c(5) entry, reclassification c(7)):

Reason(s) for Entry:

Potential Hazards:

The recognized hazards associated with this space are:

Physical-

Atmospheric-

Control of Physical and Atmospheric Hazards:

Forced Air Ventilation:

A blower hose will be inserted into the manhole and fresh air introduced to force out any residual atmospheric contaminants. The space will be ventilated for a minimum amount of time based on the following purge time formula: $T=7.5 (V/C)$, where T= purge time, V= volume of space in ft.³ , C= effective blower capacity in CFM, or alternatively until all atmospheric contaminants reach a safe entry level. Atmospheric testing will then be performed.

Following pre-entry atmospheric testing, the blower will continuously run during entry operations. The blower hose outlet will be positioned at the bottom of the space and near where the entrant is working to maximize the effectiveness of the ventilation.

Atmospheric Testing:

The atmosphere within the space will be tested for oxygen concentration, carbon monoxide concentration, and % of the lower explosive limit (LEL) from outside the space using the 4-gas monitor according to the proper operating procedures specified by the manufacturer of the device. All levels of the space will be monitored. It must be ensured that the concentration of atmospheric hazards within all areas of the space fall within the permissible entry levels as follows:

Oxygen - >19.5%, <23.5%

LEL- <10% (methane)

Carbon monoxide- <35 ppm

And < OSHA PEL for specific toxic air contaminants- e.g., chlorine, hydrochloric acid vapor, ammonia, amines, hydrocarbons, etc., as applicable

If an alarm sounds on the gas detector, the atmosphere is not safe and the entrant will evacuate the space immediately. The hazard which is causing the gas detector to go into alarm mode must be identified. Ventilation and testing will continue until all hazardous atmospheric conditions have been identified and eliminated or reduced to permissible entry levels. The entrant will wear the gas detector while inside the space and continuously monitor the atmosphere.

PPE:

Added Precautions:

Permit / Alternative Entry Certification:

