



## Allegheny County Airport Authority CONFINED SPACE ENTRY POLICY

(In accordance with OSHA 29CFR 1910.146)

**Confined Space** – is defined as a space that:

- Is large enough and so configured that an individual can enter and perform assigned work.
- Has limited or restricted means of entry and/or exit.
- Is not designed for continuous occupancy.

### General Requirements

1. All confined spaces at Pittsburgh International Airport shall be treated as permit required confined spaces.
2. Entry into confined spaces shall be controlled. Only trained and authorized individuals shall enter a confined space.
3. Confined spaces must be protected from unintentional entry. Signs, barriers, caution tape, and locks are acceptable methods to prevent unauthorized entry.
4. When entrance covers are removed to gain access to a subterranean confined space, the opening shall be promptly guarded by a railing or some other temporary barrier to safeguard against an accidental fall through the opening.
5. Prior to entry into a confined space, the Airport Authority Fire Department must be contacted to perform the initial atmospheric sampling to ensure the space does not contain a hazardous atmosphere. The following conditions must be monitored: Oxygen, Lower Explosive Limit (LEL), Carbon Monoxide (CO), and Hydrogen Sulfide (H<sub>2</sub>S). Acceptable limits are included on the entry permit. Entry shall NOT be granted unless readings are within these limits.
6. After the initial monitoring, which determines that all levels of the space are safe for entry, the attendant and/or entrant is responsible for continuously monitoring the space while work is being performed to ensure an acceptable atmosphere throughout the duration of the entry.
7. If a hazardous atmosphere is detected while an entrant is in the confined space:
  - All entrants shall IMMEDIATELY exit the confined space.
  - The Fire Department shall be notified (412-472-5604).
  - Re-entry shall be denied until the hazardous condition has been remediated.
8. Communications must be maintained between the entrant and the attendant for the duration of entry in the confined space. Radios shall not be used in flammable atmospheres unless they are designed to be intrinsically safe for such atmospheres.

### Duties of the Authorized Entrant

All authorized entrant(s) shall:

- 1) Be trained in confined space procedures.
- 2) Assure all provisions of the lock-out/tag-out program are followed.



- 3) Maintain communication with the attendant while in the confined space.
- 4) If the space is deeper than 5 feet from the surface, the entrant shall wear a full body harness attached to a rescue tripod.
- 5) Exit from the confined space as quickly as possible whenever:
  - An order to evacuate is given by the attendant
  - The entrant recognizes a warning sign of a dangerous situation
  - The warning alarm on the monitoring equipment is activated

### **Duties of the Authorized Attendant**

All authorized attendants shall:

- 1) Be trained in confined space procedures and verify all entrant(s) are also trained.
- 2) Verify the appropriate entries have been made on the permit, all tests specified by the permit have been conducted, and all procedures and necessary equipment specified by the permit are in place before endorsing the permit and allowing entry to begin.
- 3) Continuously maintain an accurate count and identification of authorized entrants in the confined space.
- 4) Remain outside the confined space until relieved by another attendant or all entrant(s) have exited the space.
- 5) Maintain communication with the entrant(s) while they are in the confined space.
- 6) Ensure continuous atmospheric sampling by the attendant or entrant(s) while any entrant is in the confined space. The entrant(s) shall be alerted and evacuated from the confined space if the monitoring reveals a hazardous atmosphere. Readings shall be recorded at 15 minute intervals on the permit while the space is occupied.
- 7) Prevent unauthorized persons from entering the permit space.
- 8) Terminate the entry and cancel the permit when the work on the permit is complete or whenever a situation arises that is dangerous to the authorized entrant(s).
- 9) Sign off on the permit upon completion to show that all no further entry is needed. The completed permit shall be forwarded to the Safety & Security Office.
- 10) In the event of an emergency, assist in the retrieval of incapacitated personnel via the tripod and lifeline. Notify the Airport Authority Fire Department at (412) 472-5604 if the authorized entrant needs additional assistance to escape from the confined space.

**The attendant shall NOT enter the space to perform rescues, wait for emergency responders!**



## Allegheny County Airport Authority CONFINED SPACE ENTRY PERMIT

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Time of entry: \_\_\_\_\_ AM / PM

Location of Confined Space: \_\_\_\_\_

Nature of Work: \_\_\_\_\_

Name of Attendant: \_\_\_\_\_

Phone # of Attendant: \_\_\_\_\_

Name of Entrant(s): \_\_\_\_\_

\_\_\_\_\_

Company: \_\_\_\_\_

**Contact The Airport Authority Fire Department at (412) 472-5604 prior to entry or in the event of an emergency.**

### EQUIPMENT CHECKLIST:

Direct Reading Gas Monitor (calibrated): _____	Ventilation Equipment (if necessary): _____
Lockout/Tagout Completed (if necessary): _____	Personnel Training Current: _____
Safety Harness & Lifeline: _____	Retrieval Equipment: _____
Personal Protective Equipment: _____	Communications Equipment: _____
Warning Signs/Barrier Tape: _____	Lighting Equipment: _____

**NOTE:** Initial testing shall be completed at the Entry, Middle, and Bottom of the space to insure the atmosphere is safe for entry. Entry shall be denied if any reading is outside the acceptable limits.

#### INITIAL SPACE MONITORING:

Conducted by: \_\_\_\_\_

Substance:	Acceptable Limits:	Entry point	Mid-point	Bottom
Oxygen (O2)	19.5 - 23.5%	%	%	%
Lower Explosive Limit	less than 10%	%	%	%
Carbon Monoxide (CO)	less than 35 ppm	ppm	ppm	ppm
Hydrogen Sulfide (H2S)	less than 10 ppm	ppm	ppm	ppm

*We have reviewed the work authorized by this permit and agree all required equipment is present and all necessary precautions and control measures have been taken to ensure safe entry and exit.*

#### Signatures Required:

Entrant(s): \_\_\_\_\_

Attendant: \_\_\_\_\_

\_\_\_\_\_

Fire Dept.: \_\_\_\_\_

