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## CONFINED SPACE ENTRY PERMIT

“Confined Space” means any space that a worker can bodily enter and perform assigned work, has a limited or restricted means for entry and is not designated for continuous worker occupancy. A confined space is subject to the accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, i.e., sewers, ventilation or exhaust ducts, underground utility vaults, tunnels, boilers, tanks, etc.

PROJECT: \_\_\_\_\_

Jobsite Address:

\_\_\_\_\_

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

Designated Competent Person: \_\_\_\_\_

Location & Description of Confined Space:

\_\_\_\_\_

### A. Evaluate Potentially Hazardous Atmosphere

1. Conduct an internal atmosphere test for the following conditions, IN ORDER LISTED:

- a. Oxygen content
- b. Flammable gases & vapors
- c. Toxic vapors
- d. Mechanical hazards
- e. Electrical hazards
- f. Corrosive hazards
- g. Temperature hazards

2. Competent person evaluation prior to entry and at \_\_\_\_\_ intervals during the occupation.

3. Other: (specify) \_\_\_\_\_

### B. Determine Permit-Required Confined Space

1. Permit-required confined spaces contain one or more of the following characteristics:

- a. Contains or has potential to contain a hazardous atmosphere
- b. Contains material that has potential for engulfing worker
- c. Has an internal configuration such that a worker could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward/tapers to a smaller cross-section
- d. Contains other recognized serious safety/health hazard

2. Regardless of entry, if the workplace contains permit spaces, the employer shall inform exposed employees of the existence and location of, and the danger posed by, the confined space.

- a. Sign posted?
- b. Other effective method?
- c. Specify: \_\_\_\_\_

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3. Define special hazards / precautions:

- a. Hot Work
  - i. Hot Work Permit Required
  - ii. Atmospheric testing device
  - iii. Cylinder and lines protected
  - iv. Fire extinguishers available & ready
  - v. Other: specify: \_\_\_\_\_
- b. Respiratory protection (plan required)
- c. Electrical/Mechanical/Hydraulic (lock-out/tag-out plan required)
- d. Belt/Chain/Shaft Drives
- e. Use of flammable/combustible materials
  - i. Smallest quantities
  - ii. Ignition sources controlled
  - iii. Atmospheric testing
  - iv. Spills: materials, equipment, training
  - v. Other. Specify: \_\_\_\_\_

**C. Provide Precautions Prior to Entry**

1. Ventilate per regulations and manufacturers specifications before entry and continuously while workers are inside.

Specify one:

- Forced  Supply  Forced inert gas  Fans

Other: Specify: \_\_\_\_\_

- a. Test following purging and prior to entry
  - b. Place ventilation equipment to maximize effectiveness
  - c. Blow air in and exhaust where possible
  - d. Minimize tube bends
  - e. Direct air towards workers
  - f. Source air not contaminated
2. Complete confined space entry permit
- a. Complete prior to entry into space
  - b. Limit duration of permit to time or task required
3. Establish attendant system
4. Establish barricades to eliminate all traffic hazards
5. Select personal protection equipment:
- Required  Yes  No
- If Yes, specify:
- |   |   |
|---|---|
| <input type="checkbox"/> Hard hat           | <input type="checkbox"/> Gas tester             |
| <input type="checkbox"/> Safety line        | <input type="checkbox"/> Safety glasses/goggles |
| <input type="checkbox"/> Fire extinguisher  | <input type="checkbox"/> Gloves                 |
| <input type="checkbox"/> Safety harness     | <input type="checkbox"/> Breathing apparatus    |
| <input type="checkbox"/> Hearing protection | <input type="checkbox"/> Other. Specify: _____  |

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6. Establish Emergency Procedures
- a. Attendant with communication to workers inside space
  - b. Emergency assistance – Call 911
  - c. Fire extinguishing equipment available & ready
  - d. Emergency lighting available & ready
  - e. Eye wash
  - f. Spills: materials equipment ready
  - g. Means of emergency rescue
    - i.  Harness w/lifeline  SCBA  Tripod/manlift
    - Winch  First Aid Kit  Stretcher
    - ii.  Other. specify: \_\_\_\_\_
  - h.  Other procedures to be used to assure & maintain adequate safety measures.  
Specify: \_\_\_\_\_
7. Communicate jobsite plan prior to entry and periodically as necessary.
- a. Train all workers at jobsite
  - b. Document training and retain at jobsite
  - c.  Other. specify: \_\_\_\_\_
8. Special Instructions:
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**D. Summary**

Complete Action Steps Prior to Entry

- 1. Employees trained
- 2. Employees briefed on potential hazards and safe and efficient methods of completing the particular job
- 3. Initiate permit & ensure appropriate items noted on permit
- 4. Conduct required atmospheric testing
- 5. Ensure initial cleaning and ventilation complete
- 6. Ensure proper isolation has been accomplished
- 7. Ensure continuous ventilation is in place and air monitoring equipment is on hand and working correctly
- 8. Assemble all tools and emergency equipment
- 9. Safety harness, lifelines & retrieval system, if required
- 10. Attendant outside with communications to entrant
- 11. Don all required PPE
- 12. Entry granted by Supervisor
- 13. All work within confined space should be conducted in an alert, cautious manner, always looking for signs of danger
- 14. Evacuate the space if there is any indication of ill effects such as dizziness, irritation or excessive odor. If there is anything that does not appear right, the space must be evacuated immediately.

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**CONFINED SPACE ENTRY PERMIT**

**Training Documentation**

Jobsite: \_\_\_\_\_

Superintendent / Assistant Superintendent \_\_\_\_\_

Area of Confined Space \_\_\_\_\_

**Signatures of those trained and approved for egress or attendants:**

Entry Supervisor: \_\_\_\_\_ Date \_\_\_\_\_

Attendants: \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

Authorized Entrants \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

Additional Comments

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