# Appendix C: Confined Space Entry Permit

**GENERAL INFORMATION & HAZARD REVIEW**

☐ **Permit-Required Confined Space Entry** ☐ **Alternate Entry Approach** ☐ **Non-Permit Space Designation**

| | |
|---|---|
| **Project Name:** | |
| **Location of Work:** | |
| **Description of Confined Space:** | |
| **Description of Work to Be Performed:** | |
| **Special Safety Precautions to Be Observed:** | ☐ NONE or Specify: |

| **Potential Hazards - mark (☒) all that apply:** | ☐ **NO SERIOUS HAZARDS IDENTIFIED required for Non-Permit Space Designation** | ☐ **PHYSICAL HAZARDS ELIMINATED Identified by an * - required for Alternate Entry** |
|---|---|---|
| ☐ Decomposing organic matter - Low Oxygen<br>☐ Rusting metal - Low Oxygen<br>☐ Leaking nitrogen, carbon dioxide, helium, argon, & other inert gas lines - Low Oxygen<br>☐ Leaking natural gas, hydrogen, acetylene, propane, and other flammable gas lines - Flammable Atmosphere (high LEL)<br>☐ Engine exhaust/burning - Carbon Monoxide (CO)<br>☐ Leaking process lines - Flammable and/or Toxic | ☐ Sewer gas - Flammable from methane, toxic from hydrogen sulfide, Flammable & Toxic from illegally discharged chemicals.<br>☐ Leaking underground fuel tanks infiltration into sewers, vaults, & pits - Flammable & Toxic<br>☐ Welding/Torch Cutting - Toxic (carbon monoxide), Flammable (acetylene), & high or low Oxygen atmospheres<br>☐* Equipment energy sources - Physical hazards (shock, entanglement, moving parts) | ☐* Dangerous internal configuration<br>☐* Falls >6' - Near unprotected edge or hole<br>☐* Loose materials such as sand, grain, & sawdust - Physical Hazard (engulfment)<br>☐* Sudden changes to water flow or level - Physical Hazard (drowning)<br>☐* Steam piping & hot surfaces - Physical hazards (thermal burns, obstruct vision)<br>☐ Other: |

**SAFETY CHECKLIST**

| CHECK (✓) EACH QUESTION: YES or Not Applicable | YES | NA | CHECK (✓) EACH QUESTION: YES or Not Applicable | YES | NA |
|---|---|---|---|---|---|
| **1.** Has all equipment that could cause **electric shock** or injury from **moving parts** been **locked & tagged** by **each entrant**? | | | **7.** Are **cave-in**, **engulfment & drowning** hazards controlled? | | |
| **2.** Is **process piping** isolated and **locked & tagged** by each entrant per facility owner and/or O'Brien & Gere procedures? | | | **8.** Have precautions been taken to control **vehicle and pedestrian traffic** around the confined space entrance? | | |
| **3.** Has vessel/piping been **drained, cleaned or purged**? | | | **9. Rescue team** has been notified? | | |
| **4.** Has a **hot work permit** been issued and all fire prevention controls are in place? | | | **10. Emergency contact** number has been identified: ☐ **911** ☐ **Other:** | | |
| **5.** Can **sparks** ignite material in vicinity, sewers, lower floors? | | | **11. Communication** procedures between attendant & entrants have been reviewed: ☐ **Verbal** ☐ **Radio** ☐**Other:** | | |
| **6.** Has **fall protection** been provided for work above 6'? | | | **12.** | | |

**SAFETY EQUIPMENT**

**CHECK (✓) ALL SAFETY EQUIPMENT NECESSARY** **(Minimum PPE - hard hat, safety glasses, and safety shoes)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Goggles | | Rubber Boots | | Grounding Equipment | | Retrieval Equipment - tripod/winch | |
| Face Shield | | Half-face Respirator | | Non-sparking Tools | | Harness with Retrieval/Tether Line | |
| Un-coated Tyvek Suit | | Full-face Respirator | | Vapor/Explosion Proof Light | | **Ventilation Equip.-blower & duct (required for alternate entry)** | |
| Tychem QC Suit | | Air-line Respirator or SCBA | | Fire Extinguisher | | | |
| Tychem SL (Saranex) Suit | | Safety Belt/Harness | | Water hose | | | |
| Acid Suit | | Ladder/Scaffold | | Barricades & Signs | | | |
| Plastic Apron | | Lockout/tag out equipment | | Communication Equipment | | | |
| Nitrile or Vinyl Gloves | | GFCI | | Probing Staff (for water depth) | | | |

**AIR MONITORING**

| Air Monitoring Equipment | Air Tests | Limits | Required? | Frequency | Results |
|---|---|---|---|---|---|
| | Oxygen | 19.5%-23% | ☐ **Y** ☐ **N** | ☐ initial only ☐ continuous | |
| | LEL | ≤10% | ☐ **Y** ☐ **N** | ☐ initial only ☐ continuous | |
| | CO | ≤35 ppm | ☐ **Y** ☐ **N** | ☐ initial only ☐ continuous | |
| | $H_2S$ | ≤10 ppm | ☐ **Y** ☐ **N** | ☐ initial only ☐ continuous | |
| | | | ☐ **Y** ☐ **N** | ☐ initial only ☐ continuous | |

**ENTRANT & ATTENDANT REVIEW & PRE-ENTRY BRIEFING for PERMIT-REQUIRED CONFINED SPACES**

**A pre-entry briefing is REQUIRED. Entrants and Attendants have been notified of hazards in the work area and have been instructed in the safety equipment and procedures necessary for safe entry by the Entry Supervisor. The briefing also includes a review of emergency evacuation procedures, communication procedures, this permit, and other safe work practices. Persons have been instructed to report any unsafe or unusual conditions.**

| | | | | | |
|---|---|---|---|---|---|
| **Entrant:** | print | sign | **Entrant:** | print | sign |
| **Entrant:** | print | sign | **Entrant:** | print | sign |
| **Entrant:** | print | sign | **Attendant:** | print | sign |
| **Entrant:** | print | sign | **Attendant:** | print | sign |

| **ENTRY SUPERVISOR / PERMIT AUTHORIZATION** | | | **PERMIT DURATION (1 shift maximum)** |
|---|---|---|---|
| **The New School:** | print | sign | **Entry Date:** _____/_____/_____ |
| **Contractor:** | print | sign | **Start Time:** _____:_____ |
| **Subcontractor:** | print | sign | **End Time:** _____:_____ **(permit expires)** |