A properly authorized confined space entry permit allows the person(s) making entry to enter the specified area. The checklist must be completed and all sections of this permit completed prior to the issuance of this permit. This permit is to be kept at the job site. All permits expire 12 hours after issue. The expired permit must be returned to the Safety Coordinator. Permits are to be retained on file for one year.

Date and time of entry __________________________      Location ________________________  Work Order #__________________

Purpose of entry _____________________________________________________________________________________________

Person(s) making entry _____________________________________________________________________________________

Standby Attendant(s) _______________________________________________________________________________________

Approval Issued by:
Safety Coordinator  _________________________ AND/OR   Supervisor ________________________

**EMERGENCY PROCEDURE:** Summon help. DO NOT ENTER the space until help arrives and entry can be made safely. Assume that toxic gases or oxygen deficiency exist.

**Atmospheric Test Results**
Continuous monitoring, record results on the half hour

<table>
<thead>
<tr>
<th>Alarm Value Date/Time</th>
<th>Oxygen %&lt; 19.5</th>
<th>Flam % L.F.L. &gt; 10</th>
<th>Carbon Monoxide &gt; 35 ppm</th>
<th>H₂S &gt; 10 ppm</th>
<th>Other</th>
<th>Initials</th>
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</thead>
<tbody>
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</table>

Signatures are required of all entrants and attendants. Signatures indicate entrant and attendant duties and emergency procedures are understood.

Person(s) making entry ________________________________________________________________

Standby Attendant ________________________________________________________________

Entry Supervisor permit cancellation (date, time, initials) ____________________________________________
Safety and Personnel Protective Equipment Required
Entry Supervisor to Check Required Equipment

- Supplied Air Respiratory (SAR)
- Safety Glasses and Goggles
- Full face shield
- Continuous Ventilation required
- Retrieval equipment (winch)
- Employees trained and qualified
- Standby attendant required
- Site perimeter safe and secure (Warning signs and Barricades)
- Briefing on any unique hazards
- Field test oxygen sensor
- SCBA required
- Safety shoes, gloves

- Hard hats
- Chemical specific protective clothing
- Hearing protection
- Safety harnesses and lifelines
- Gas detector
- Initial work plan
- Vessel cleaning required
- Hot work to be performed
- Lock out / tag out includes process isolation
- Radio communications to be used
- Continuous monitoring required

<table>
<thead>
<tr>
<th>PARAMETERS</th>
<th>CLASS A</th>
<th>CLASS B</th>
<th>CLASS C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Characteristics</td>
<td>Immediately dangerous to life. Rescue procedures require entry of more than one individual fully equipped with life support equipment. Maintenance of communication requires an additional standby person stationed within the confined space.</td>
<td>Dangerous, but not immediately life-threatening. Rescue procedures require the entry of no more than one individual fully equipped with life-support equipment. Indirect, visual, or auditory communication with workers.</td>
<td>Potential hazard. Requires no modification of work procedures. Standard rescue procedures. Direct communication with workers from outside the confined space.</td>
</tr>
<tr>
<td>Oxygen</td>
<td>16% or less, or greater than 25%</td>
<td>16.1% to 19%, or 21.5% to 25%</td>
<td>19.5% to 21.4%</td>
</tr>
<tr>
<td>Flammability</td>
<td>20% or greater of LFL (Lower Flammable Limit)</td>
<td>10% to 19% LFL (Lower Flammable Limit)</td>
<td>10% LFL or less (Lower Flammable Limit)</td>
</tr>
<tr>
<td>Toxicity</td>
<td>Immediately dangerous to life or health (IDLH)</td>
<td>Greater than contamination level listed in OSHA Standard 1910 Sub Part Z, but less than IDLH level.</td>
<td>Less than contamination level listed in OSHA Standard 1910 Sub Part Z. For example: Carbon Monoxide level – 35 PPM, Hydrogen Sulfide level– 10 PPM.</td>
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