

## ACCESS & ENERGY CONTROL (207B)

<b>1. Job Name:</b>	<b>2. Operational Period:</b>	Date:	/	/
	Shift Start Time:			
	Shift End Time:			
<b>3. Permitting &amp; LOTO</b>				
Safe Work Permit #	Confined Space Permit #	Hot Work Permit #		
LOTO Box #	Location & Description or Equipment/Line ID			
<b>VERIFY COMPLIANCE OF IPS PERMIT POLICY</b> <input type="checkbox"/> Permit(s) not required by client but location/equipment recognized as a hazard space by IPS Job Hazard Assessment/Reasons: _____ Use applicable IPS Permits & LOTO documentation Verify Permit(s): <ul style="list-style-type: none"> <li>▪ Date/Time (24hr clock, expires @, Y/N extendable)</li> <li>▪ Safety Precautions (appropriate, in place, new hazard)</li> <li>▪ PPE (appropriate, new hazard)</li> <li>▪ Monitoring Requirements (Interval &lt;2hrs; calibration, bump, operation initial tests)</li> </ul> <input type="checkbox"/> Use IPS LOTO form to document proper elimination and isolation of energy sources to work area. <input type="checkbox"/> Permit(s) required by client for hazard space Verify Permit(s): <ul style="list-style-type: none"> <li>▪ Date/Time (24hr clock, expires @, Y/N extendable)</li> <li>▪ Safety Precautions (appropriate, in place, new hazard)</li> <li>▪ PPE (appropriate, new hazard)</li> <li>▪ Monitoring Requirements (Interval &lt;2hrs; calibration, bump, operation initial tests)</li> </ul> <input type="checkbox"/> Rescue Team lock(s) and tag(s) attached <input type="checkbox"/> Verify client blinds acceptance list				
<b>PACE</b>	<b>ELIMINATION METHOD</b>	<b>ISOLATION METHOD</b>	<b>VERIFIED BY</b>	
Primary	Cleaned & Tested	Air Gapped	Rescue & Operations	
Auxiliary	Washed & Tested	Double/Single Blind	Supervisors & Operations	
Contingent	Purged & Tested	Double Block & Bleed (<15psi)	HASS & Operations	
Emergent	Drained & Tested	Chained/Tagged	Operations Only	
<b>PROCEDURES</b>		<b>OTHER BEST PRACTICES</b>		
<ul style="list-style-type: none"> <li>▪ Identify energy source and related hazards.</li> <li>▪ Notify affected persons.</li> <li>▪ Shut down equipment.</li> <li>▪ Isolate energy source</li> <li>▪ Apply LOTO lock and tag.</li> <li>▪ Verify proper isolation.</li> <li>▪ Attempt to start equipment.</li> <li>▪ Verify zero energy.</li> <li>▪ Perform the work</li> </ul>		<b>Locks</b> <ul style="list-style-type: none"> <li>• Use specific-colored.</li> <li>• Unique lock and key</li> <li>• 1 lock per person</li> <li>• Limit personnel to only one lockbox at a time</li> </ul>	<b>Tags</b> <ul style="list-style-type: none"> <li>• Affix tag as closely as possible to disconnect.</li> <li>• Update daily: (legible) names, date, company.</li> <li>• Are not to be bypassed or otherwise defeated.</li> <li>• Perform periodic inspections to energy control procedures.</li> </ul>	
<b>207B</b>	<b>RMP</b> _____			

SUPPORT / COLD ZONE

CONTAMINATION REDUCTION / WARM ZONE

Awareness Level: Planning, Accountability & Aid

Operations Level: Uphill & Upwind of Exclusion Zone

*Recommended Reference Points for Hazard Space Zoning Map (Non-Emergency)*

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Command Post (Debrief Area)</li> <li>• Staging of Resources for Tactics (Trailer or Truck)             <ul style="list-style-type: none"> <li>○ Access Control (Zoning, Safety Attendant Access Point Supplies)</li> <li>○ Decontamination (Gross, Mass, Emergency, Technical)</li> <li>○ Medical – VAI (Med Bag, AED, Packaging &amp; Auxiliary Equipment)</li> <li>○ Medical – MCI (M.A.S.S. PPE, S.A.L.T. Ribbons, S.T.A.R.T. Tags)</li> <li>○ Engineering Controls [Monitoring, Ventilation, Rigging (Extraction, Packaging, Lower, Transfer)]</li> <li>○ PPE [HAZMAT (Respiratory and Dermal), Fall, Medical]</li> </ul> </li> <li>• Medical – VAI (Treatment Area / Rehab Area)</li> <li>• Medical – MCI (Post S.A.L.T. Triage)             <ul style="list-style-type: none"> <li>○ Priority set by severity (Immediate, Delayed, Minimal)</li> </ul> </li> <li>• Transport Rendezvous Location</li> </ul> | <ul style="list-style-type: none"> <li>• Hazard Space Joint Safety Meeting</li> <li>• Forward Staging of Resources (Go Bags)</li> <li>• Access Control [Safety Attendant Access Points             <ul style="list-style-type: none"> <li>○ Cold Zone -&gt; Warm Zone</li> <li>○ Warm Zone -&gt; Hot Zone</li> </ul> </li> <li>• SWAN Station</li> <li>• Fire Extinguishers (Hazard Mitigation)</li> <li>• DECON for HAZMAT             <ul style="list-style-type: none"> <li>○ Windsock (Wind Direction for Atmospheric Hazards)</li> <li>○ Safety &amp; Eye Showers (Gross &amp; Emergency Decontamination)</li> <li>○ CRZ &amp; DECON Corridor (Mass &amp; Technical)</li> </ul> </li> <li>• S.A.L.T. Triage</li> <li>• (Dead, Expectant, Immediate, Delayed, Minimal)</li> </ul> |
|--|---|

COLD ZONE / WARM ZONE

Access Control

Additional Resources Staged @

- |                                  |                                |                                 |                                       |
|----------------------------------|--------------------------------|---------------------------------|---------------------------------------|
| <input type="checkbox"/> Trailer | <input type="checkbox"/> Truck | <input type="checkbox"/> Go Bag | <input type="checkbox"/> Hazard Space |
|----------------------------------|--------------------------------|---------------------------------|---------------------------------------|

Barricade Type (in order of PACE)

- |   |                                |   |                                  |
|---|--------------------------------|---|----------------------------------|
| <input type="checkbox"/> Safety Attendant | <input type="checkbox"/> Rigid | <input type="checkbox"/> Colored Tape & Tag | <input type="checkbox"/> Signage |
|---|--------------------------------|---|----------------------------------|

Perimeter Distance

- |  |                         |                       |                   |          |
|--|-------------------------|-----------------------|-------------------|----------|
| <input type="checkbox"/> by Monitoring (Quantitative values vs baseline background readings) | Radiation x2 background | < 20.5% or > 21.5% O2 | > TWA / REL / PEL | > 0% LEL |
|--|-------------------------|-----------------------|-------------------|----------|

**SEE 208B SITE SAFETY & CONTROL PLAN: 10. MONITORING**

- |   |   |   |  |
|---|---|---|--|
| <input type="checkbox"/> by Rule of Thumb (Recommended. for Non-Emergency Mode) | <input type="checkbox"/> Potential Decontamination (Add Min. 25') | <input type="checkbox"/> Non-MCI (Add Min. 25') | <input type="checkbox"/> Potential MCI Incident (Add Min. 75') |
|---|---|---|--|

Decontamination

- |                                |                               |                                    |                                    |
|--------------------------------|-------------------------------|------------------------------------|------------------------------------|
| <input type="checkbox"/> Gross | <input type="checkbox"/> Mass | <input type="checkbox"/> Emergency | <input type="checkbox"/> Technical |
|--------------------------------|-------------------------------|------------------------------------|------------------------------------|

Additional Resources Staged @ \_\_\_\_\_

**SEE 208B SITE SAFETY & CONTROL PLAN: 15. DECONTAMINATION**

207B

RMP \_\_\_\_\_

EXCLUSION / HOT ZONE

Technician Level: HAZWOPER Rescue Plan

WARM ZONE / HOT

Access Control

Additional Resources Staged @

- Trailer, Truck, Go Bag, Hazard Space

Barricade Type (in order of PACE)

- Safety Attendant, Rigid, Colored Tape & Tag, Signage

Perimeter Distance

- Monitoring: > 10 mR/hr. < 10 R/hr., < 19.5% or > 23.5% O2, > IDLH / STEL / TLV - C, > 10% or 20% LEL

SEE 208B SITE SAFETY & CONTROL PLAN: 10. MONITORING

by Rule of Thumb (Recommended. for Non-Emergency Mode)

- Open Area (Confined Space), Solid - 75' (7'), Liquid - 150' (15'), Gas - 300' (30'), Explosives - Double (Double)

by Risk Assessment

- Multiple Hazardous Contaminants See Addendum, Pot. Catastrophic ERG (Unknown & Dangerous 111, Explosives 112-114, Flammable 127, Radioactive 161-166)

ERG: Material Name: UN ID # Guide # Polymerization (P)

Potential Hazard:

- Fire /Explosion > Health, Health > Fire / Explosion

Public Safety:

PPE Inhalation -> Respiratory Protection, Absorption -> Dermal / Chemical Protective Clothing

SEE 208B SITE SAFETY & CONTROL PLAN: 17. PPE

Decontamination Additional Resources Staged @ Trailer Truck Go Bag Hazard Space

SEE 208B SITE SAFETY & CONTROL PLAN: 15. DECONTAMINATION

Evacuation Use worst case scenario listed Low Wind & Largest Container

Fire (large) Non-Intervention for IPS Rescue Team / Code 5 EVACUATION (ERT response) Isolate Distance
Spill/Leak (lg.) Non-Intervention for IPS Rescue Team / Code 5 EVACUATION (ERT response) Toxic Inhalation Hazard (TIH) \*Green
Initial Isolation (Day) (Night) Protect Downwind (Day) (Night)

Emergency Response:

- Fire (small) REACTIVE - DO NOT USE WATER OR FOAM, Dry Chemical, CO2, Water Spray, Regular Foam
Spill/Leak(sm.) REACTIVE - DO NOT GET WATER ON SPILLED SUBSTANCE, ELIMINATE IGNITION SOURCES
Cover with sand, earth, or other non-combustible absorbent material, Cover with plastic sheet or tarp
First Aid DO NOT PERFORM MOUTH TO MOUTH / ABSORPTION RISK, No Restrictions

SEE 208B SITE SAFETY & CONTROL PLAN: 16. MEDICAL (VAI / MCI)

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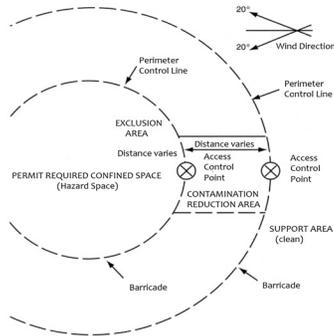
RMP

**5. Hazard Space Zoning Map:**

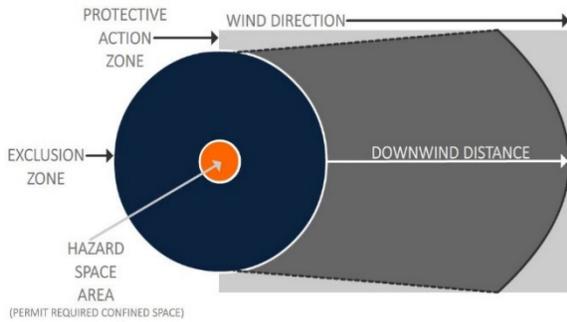
NA

See Addendum: \_\_\_\_\_

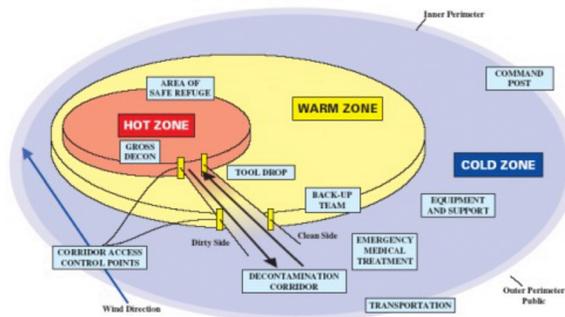
**Non-Emergency**



**Incident Occurs / Initial Isolation**



**Tactical Objectives Established & Hot Zone Ops Begins**



Hazardous Materials Field Guide Sample Page

**6. Prepared by:**

Name: \_\_\_\_\_

207B

RMP \_\_\_\_\_

Position: \_\_\_\_\_