

## **RESCUE PRE-PLAN**

Date:

GENERAL INFORMATION						
Effective Time:	AM	PM	Expiration Time:		AM	PM
Equipment / Line ID:			Customer:			
Permit #:			Safety Attendant:			
IMMEDIATE HAZARD				Chemical Informat	tion:	N/A
	Puraina	and Cl	eaning Methods			





## SECONDARY HAZARD PRCS Configuration Type (Ops / Tech)

Entrants Visible: Yes No Portal Opening Open Obstructed

Internal Space: Spacious Congested External Clearance: Spacious Congested

Internal Configuration: Open Obstructed Engulfment Potential: Yes No

All hazards in and around the hazard space have been identified and can be mitigated by using respiratory protection so that the victim is contacted, confined space entry is established and maintained, atmosphere is continuously monitored, and victim removal can be initiated by a retrieval system.

Yes

No

### PRCS Characteristics: Working at Heights

Elevated > 5' No Yes Space Access: Horizontal Vertical

#### Types of Potential Hazards

Radiation Pressure Temperature
Chemical Electrical Mechanical
Biological Noise Gravity
Motion Strain or Tension Weather

Oxygen-Deficient Atmosphere Engulfment Energized Equipment

Oxygen-Enriched Atmosphere Toxic Atmosphere Entrapment

Flammable Atmosphere Ignition Sources Hazardous Material

Complex Special Operations Fatigue Simultaneous Operations

Other Health Hazards Other Specific Hazards Instability or Reactivity

#### PRCS HAZARD SUMMARY

	OXYGEN	FLAMMABILITY	TOXICITY	CONFIGURATION
CLASS A	<19.5% OR >23.5%	>10% OF LEL	>IDLH or Ceiling	Complex internal
CLASS B	>-0.1% OR 20.9%	<10% OF LEL	>TLV / REL / PEL	Fall line or inline
CLASS C	>0.1% OF 20.9%	<10% OF LEL	< TLV / REL / PEL	Complex internal
CLASS D	+0.1% OF 20.9%	0 LEL	No exposure	Fall line or inline

## SAFETY PRECAUTIONS Isolation Controls

## Barricade Control Zones

N/A Initial Isolation & PAD Exclusion/CRZ/Support Hot/Warm/Cold

## Lock-out / Tag-out

N/A Air Gap Double Block & Bleed Slip Bind Lock & Tag

#### Decontamination

N/A Safety Shower & Eye Wash Technical Gross



Engineering Controls

Ventilation Natural or Mechanical Anchor System **Edge Protection** 

Air Monitoring AHD Load Mgt. or Friction Mgt. **TTRS** 

Ladder Rigid or Flexible Decent Control Tag Line / Lifeline

Fall Protection **Progress Capture Dual Tag Line** 

Intrinsically Safe Lighting Mechanical Advantage Track Line **Ground Fault Interrupter** Haul Field Orientation Control Line

Fire Extinguishers Center Haul ONLY Reeve Line **Shoring or Sloping** Oppositional Back tie **Knot Passing** 

**Engineered Trench Box** Stainless Steel Equipment Specialized Equipment

# Administrative Controls

Span of Control Signs Posted Housekeeping

**Essential Personnel** Permit **Certified Equipment** 

**Buddy System Established** SDS Sheets Attached **Preflight Checklist** 

Special Operations Personnel Joint Hazard Meeting **Touch Test** 

VAI (Victim Assessment) Communication Plan Critical Point Test Whistle Test

MCI (Mass Casuality) Hydration

Technician Recycle / Rehab Fatigue Schedule Required Upwind & LZ Identified

#### **PPE Controls**

Inert Helmet (Life Support System) Life Safety Harness Goggles SCBA (minimum 45-minute) Gloves (Leather, CPC, Rope)

**Spoggles** 

SAR w/5-minute Fire-Retardant Clothing Safety Glasses

**Emergency Egress Line (EEL) Proximity Suit Ear Protection** 

PAPR Chemical Clothing (Level A) **Double Ear Protection** Steel Toe Boots

**Full Face Respirator** Chemical Clothing (Level B) Spark Proof Tools Half Face Respirator Chemical Clothing (Level C)

**Body Substance Isolation PPE** Hardhat **CS Packaging Device** 

**Edge Restraint Double Lanyard** Self-Retracting Lifeline

#### Method of Summoning Rescue Team, Fire Department and/or EMS

Dial in plant emergency number: Contact plant via radio channel:

Rescue Team contact number: Face to Face Other:



EXTRACTION			Main
Anchorage System			
Tripod / TerrAdaptor	Structural Beam	Manway	Stairwell Component
Ladder Cage	Welded Steel Handr	ail Steel Pipe	Scaffolding Intersection
N/A	Other:		
Haul System			
Winch/DBI	6:1 Force Accumula	tion System	Block and Tackle
4:1/5:1 Piggyback	1:1 Lifeline/Tag Line	e/Load Line	Evolution of Z-Rig
N/A	Other:		
Lower Device			
Petzl Maestro	CMC Clutch	MPD	Petzl ID
N/A	Other:		
			Belay
Anchorage System			,
Tripod / TerrAdaptor	Structural Beam	Manway	Stairwell Component
Ladder Cage	Welded Steel Handr		Scaffolding Intersection
N/A	Other:	uit Ctoott ipo	counciding interession
Haul System			
Winch/DBI	6:1 Force Accumula	tion System	Block and Tackle
4:1/5:1 Piggyback	1:1 Lifeline/Tag Line		Evolution of Z-Rig
N/A	Other:	,	
Lower Device			
	CMC Clutch	MPD	Petzl ID
Petzl Maestro N/A	Other:	WIPD	Petzt ID
IN/A	Other.		
			Harness
Full Body Harness (Belay		Full Body Harness (Dorsal Only)	
Improvised Victim Harne		Wristlets	Anklets
N/A	Other:		
			Packaging Device
Long Spine Board		C-Collar	Head Immobilizer
Scoop Board		FAST Board	Yates Spec Pak
N/A	Other:		

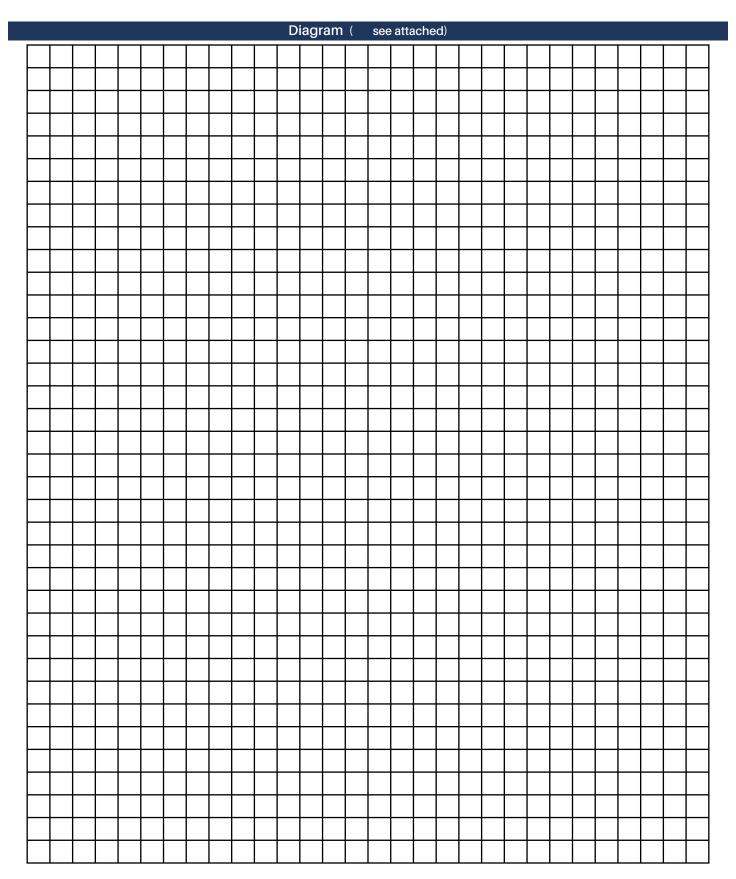


				System Conversion
AZTEK	LRH		Dog and Tails	RPM
N/A	Other:			
				Transfer Techniques
Twin Tension	Pike and Pivot		Dynamic Directional	Two Rope Offse
N/A	Other:			
ERIAL BASED OPERAT	ION			
Fall Line	Minor Offset	Major Offset	Steep Highline	Highline
N/A	Other:			
OWER				Mair
nchorage System				
Tripod / TerrAdaptor	Structural Beam		Manway	Stairwell Component
Ladder Cage	Welded Steel Hand	drail	Steel Pipe	Scaffolding Intersection
N/A	Other:			
aul System				
Winch/DBI	6:1 Force Accumu	lation System		Block and Tackle
4:1/5:1 Piggyback	1:1 Lifeline/Tag Lir	ne/Load Line		Evolution of Z-Rig
N/A	Other:			
ower Device				
Petzl Maestro	CMC Clutch		MPD	Petzl ID
N/A	Other:			
				Belay
nchorage System				
Tripod / TerrAdaptor	Structural Beam		Manway	Stairwell Component
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4:1/5:1 Piggyback	1:1 Lifeline/Tag Lir	ne/Load Line		Evolution of Z-Rig
N/A	Other:			
ower Device				
Petzl Maestro	CMC Clutch		MPD	Petzl ID
N/A	Other:			



Tag Line Tag to Yoke/Masterpoint Tag to Litter **Trianulated Tagline Elevated Tag Dual Taglines (Oppositional)** Dragonfly N/A Other: **System Conversion AZTEK** Load Releasing Hitch **RPM** Dog and Tails N/A Other: Transfer Techniques **Twin Tension** Pike and Pivot **Dynamic Directional** Two Rope Offset Mirrored/Skate Block Highline Hybrid Skate block Steep Highline N/A Other: Packaging Device Long Spine Board C-Collar Head Immobilizer Scoop Board **FAST Board** Yates Spec Pak Stokes Litter Skid Pan (Crane) Man Basket (Crane) N/A Other: Configuration IPS Quad-Bridle Arizona Tri-Bridle Improvised Bridle Other: N/A Masterpoint or Yoke **Doubled Long Tail Bowlines Primary Secondary Knots at Masterpoint** Crane Hook N/A Other: **GROUND Based Operation** Steep Flat Low High-Angle N/A Other: **Packaging Device** Long Spine Board C-Collar Head Immobilizer Scoop Board **FAST Board** Yates Spec Pak Stokes Liter Reeve Sleeve **SKED** N/A Other:







#### **Incident Occurs**

- ★ Awareness level personnel who witness or discover an incident initiate an emergency response sequence by notifying the proper authorities.
- ★ Attendant will summon rescue and other emergency services as soon as the attendant determines that authorized entrants may need assistance to escape from permit space hazards.
- ★ Initiate site rescue Emergency Response Plan.
- ★ RIC/CI controls the incident until properly relieved.
- ★ RIC/CI will perform personnel size-up through roll call of delegated roles and responsibilities of essential personnel.

#### **ANALYZE**

#### Scene Assessment

- ★ Rescue team will prioritize accountability and establish the communication plan via L-CAN report.
- \* Rescue team conducts rapid hazard identification and risk assessment to verify location for initial guidance establishing "Initial Isolation Zone" and "Protective Action Zone" utilizing the LIP principle.
- ★ Establish communication with victim(s) as soon as possible.
- ★ Determine how long the victim(s) has been down, and establish the mechanism of the injury, and the survivability profile of the victim(s).
- ★ Determine the entry type of the confined space rescue and the required equipment and safety precautions: vertical rescue, horizontal rescue, suspended victim rescue, entrapped or engulfed victim rescue, rescue involving hazardous material.
- ★ Determine the response objectives based on circumstances of the emergency: victim rescue, victim recovery, remote extrication, or nonintervention.
- ★ Rescue team personnel will establish the alert code 1-5 to designate the emergency operation strategy as "Defensive", "Offensive", or "Non-Intervention".
- ★ All non-intrinsically safe mechanical equipment must be shut down and brought to a zero mechanical state prior to entry (excluding ventilation, localized exhaust, or Nitrogen where prescribed).
- ★ Structural stability of the confined space should be re-evaluated if appropriate measures must be taken to assure the structural stability of the space.
- $\star$  Determine the number and location of victim(s). (Could initiate MCI)
- ★ Make quick visual assessment of victim(s), if possible. (Could initiate Mass Decon)
- ★ Barricade scene immediately to prevent others from entry or contaminating evidence.
- \*\*\* Note: RIC/CI has the authority to change strategies based on hazards and available resources.



### PLAN/IMPLEMENT/EVALUATE

### **Self-Rescue Operations**

- ★ Entrant should recognize signs & symptoms of physical exhaustion, heat, or cold stress, or over exposure to any chemical within the space.
- ★ Entrant should notify the safety attendant that something is wrong and that they need to exit the space immediately.
- ★ Safety attendant should remove any obstructions from the space to allow entrant to safely exit. (Including monitoring equipment)
- ★ If entrant is not feeling well or is suffering from any signs or symptoms of physical exhaustion or injury, heat, or cold stress, or over exposure to any chemical within the space, entrant should quickly vacate the space before becoming incapacitated.
- ★ If Self-Rescue is unsuccessful or deemed unsafe, begin external rescue operations
- \*\*\* Note: Safety attendant should always notify the rescue team to continue with victim assessment, even if self-rescue is successful.

#### **External Rescue Operations**

- ★ To minimize risk, if other entrant(s) not affected by the emergency are in the confined space, they shall exit first.
- ★ The victim's pathway should be cleared as entrants exit. Exiting entrants should stage victim in line or within the fall line prior to egress as appropriate.
- ★ Entrant(s) shall wear full body harness connected to retrieval system the entire time they are within the space. This system should be in place prior to entry in such a manner that retrieval of rescue entrants can begin immediately. Retrieval systems can be used as fall arresting devices for rescue personnel.
- ★ RIC/CI or HASS shall ensure that least one rescuer is appropriately dressed and ready for entry if external rescue operations fail.
- ★ If external rescue is unsuccessful, begin Internal rescue operations.

#### **Self-Rescue Operations**

- ★ Operational safeguards and rules of engagement have been met and pre-flight checklist conducted
- ★ Air monitoring shall be conducted prior to rescue entry, this will determine the need for breathing apparatus and/or dermal protection for rescuer
- ★ Pre-assigned personnel will then make entry TED or higher.
- ★ RIC/CI or HASS shall ensure that least one rescuer is appropriately dressed and ready as a backup.
- ★ It is recommended that entry personnel should use personal air monitoring devices when available.
- ★ If possible, the entry team should bring a supply of breathable air for the victim(s)
- ★ Declare safe entry conditions have been met.
- ★ Make entry to conduct recon, rescue, or recovery as appropriate.
- \*\*\* Note: TED will always remain connected to an external rope while internal operations are being conducted.



### Internal Victim Assessment and Packing

- ★ Upon reaching the victim, entry personnel shall conduct a primary victim assessment.
- ★ Use VAI Medical plan and use proper BSI and universal precautions while conducting victim aid.
- ★ Upon completion of primary victim assessment, update condition to rescue team, verify medical aid response is appropriate.
- ★ If required, appropriate life-saving interventions should be started immediately.
- ★ A quick but thorough secondary assessment of the victim shall be conducted. If conditions permit, entry personnel should attempt to treat serious injuries prior to removal
- ★ If indicated, C-Spine precautions should be administered.
- ★ In the event of C-spine trauma, the victim will be packaged in the EXTRACTION PACKAGING DEVICE due to the diameter of manways, internal configuration, equipment availability, and/or any other limitation.
- ★ If the victim is conscious, and has no signs of trauma, C-spine precautions will be disregarded.
- \*\*\* Note: Because of the difficulty removing the victim from the space, optimum C-spine precautions may not be possible.

#### Victim Removal (Extraction or Extrication)

- ★ To minimize risk, TED will negotiate the victim's pathway through internal configuration. They will stage victim in line or within the fall line prior to rescuer egress.
- ★ Placement, construction, and operations of rope rescue systems for extraction will be dictated by the rescue team.
- ★ Prior to removal of the victim, rescue team members will have completed all rescue system rigging required to move victim to safety and conduct pre-flight checklist.
- ★ Non-trauma victims will be removed from the space utilizing a rope rescue system which is connected to the rear D-ring of the victim's safety harness.
- ★ For trauma victims or in the unlikely event that the victim is not wearing a harness, the entry team will package the victim in an emergency appropriate EXTRACTION HARNESS. The loops that are created will be the improvised harness connection point.
- ★ Trauma and non-trauma victims will be extracted utilizing redundant lines, a(n) EXTRACTION MAIN anchored to EXTRACTION MAIN ANCHORAGE SYSTEM and a(n) EXTRACTION BELAY ANCHORAGE SYSTEM. To haul the victim from the space, A a(n) EXTRACTION MAIN HAUL SYSTEM and or a(n) EXTRACTION BELAY HAUL SYSTEM will be constructed for mechanical advantage. A(n) EXTRACTION MAIN LOWER DEVICE for the main line and or a(n) EXTRACTION BELAY LOWER DEVICE for the belay line will be used for descent control.
- ★ In the event, a system operation needs to be converted and the set up does not support hauling and lowering efficiently, a(n) EXTRACTION SYSTEM CONVERSION will be utilized.
- ★ To navigate horizontal movement during extraction, a(n) EXTRACTION TRANSFER TECHNIQUE will be utilized
- ★ Both trauma and non-trauma victims will be placed outside of the hazard space upwind or crosswind.



#### Lowering

- ★ Placement, construction, and operations of lowering rope rescue systems will be dictated by the rescue team.
- ★ Prior to lowering of the victim, rescue team members will have completed all rescue system rigging required to move victim and conduct pre-flight checklist.
- For aerial based operations, trauma and non-trauma victims will be lowered utilizing redundant lines a(n) LOWER MAIN anchored to LOWER MAIN ANCHORAGE SYSTEM and a(n) LOWER BELAY anchored to LOWER BELAY ANCHORAGE SYSTEM. To haul the victim from the space, A a(n) LOWER MAIN HAUL SYSTEM and or a(n) LOWER BELAY HAUL SYSTEM will be constructed for mechanical advantage. A(n) LOWER MAIN LOWER DEVICE for the main line and or a(n) LOWER BELAY LOWER DEVICE for the belay line will be used for descent control.
- ★ The rope rescue system lines will be configured into a(n) MASTERPOINT OR YOKE and will be connected at the BRIDLE CONFIGURATION. Of the LOWER PACKAGING DEVICE.
- ★ In the event, a system operation needs to be converted and the set up does not support hauling and lowering efficiently, a(n) LOWER SYSTEM CONVERSION will be utilized.
- ★ To stabilize a suspended load that might otherwise rotate or swing in an uncontrolled fashion during the lower, a(n) LOWER
   TAG LINE will be connected.
- ★ To navigate horizontal movement during the lower, a(n) LOWER TRANSFER TECHNIQUE will be utilized.
- ★ Upon removal, victim decontamination will be conducted if required.
- ★ Rescue personnel shall transfer the victim to local EMS for transport.

## **TERMINATE**

#### **Termination**

- ★ Personnel accountability
- ★ In the event of a rescue, all affected personnel are required to participate following the termination of emergency operations for a quick post-incident debriefing.
- ★ Conduct a debriefing, critique, and post incident analysis.
- \* Remove tools and equipment used for the rescue/recovery. If there has been a fatality, consider leaving the tools and equipment in place for investigative purposes.
- ★ Secure the scene. Prior to turning the property back over to the responsible party, one final reading of atmospheres shall be taken and recorded.
- ★ Transfer custody of the incident to AHJ
- \*\*\* Note: Because of the difficulty removing the victim from the space, optimum C-spine precautions may not be possible.

#### Demobilization

- ★ Conduct Post-Incident Inspection of resources utilized during operations.
- ★ For non-fatality incidents, if entry personnel or equipment have been contaminated during, proper decontamination procedures must be conducted prior to returning equipment back in service.
- Return to normal operations.

Co	mı	ne	nt	s:
$\sim$		110		. J.

Comments.				
	Date:	/	/	*** Rescue Plan Subject to Change ***
	Rescue Supervisor RIC/CI:			HASS:
	Team Member:			Team Member:
	Team Member			Team Member



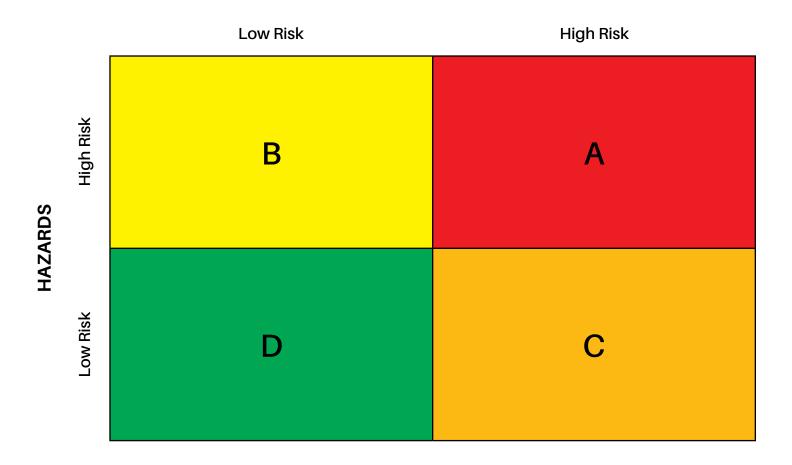
# **CONFINED SPACE CLASSIFICATION SYSTEM**

Class	Characteristics		Criteria	Hazard Risk	Team Skill Capability			
	IDLH, rescue procedures	*	Permit required space					
	require the entry of more than one individual fully	*	The entrant is exposed to atmospheric or engulfment hazards	Immediate - High				
Α	equipped with life support equipment, maintenance of communication requires	*	Configuration of accessibility is complex and difficult to maneuver without high risk of entanglement	Immediate = High & Secondary = High	Technician			
	additional standby personnel and potentially	*	Potential hazardous material	, ,				
	other support personnel.	*	Rescuers must enter					
		*	Permit required space					
	Dangerous but not IDLH, rescue procedures	*	The entrant is exposed to atmospheric or engulfment hazards					
В	more than one individual	fully equipped with life support equipment,		more than one individual fully equipped with life support equipment,		Rescue personnel can conduct the rescue without entering the space or utilizing minimal personnel for mission specific tasks under the supervision of a Technician	Immediate = High & Secondary = Low	Technician  8 Operations Mission Specific
		*	The victim is in immediate peril, is unable to self-rescue		.,,,,			
		*	Is within the fall line or horizontally inline, can be physically removed using mechanical retrieval devices					
		*		May be a permit-required space or a non-permit required space		Technician & Operation - Mission Specific		
	Potential hazard, requires no modification of work	*	Low risk of exposure to atmospheric or engulfment hazards that would be an immediate threat to health or life					
С	procedures, standard	*	The victim is not in immediate peril from conditions in the space; however, is unable to self-rescue and must be physically removed without using mechanical extrication or retrieval devices	Immediate = Low & Secondary = High				
	confined space	*	Configuration of accessibility is complex and difficult to maneuver without high risk of entanglement					
		*	The entrant is exposed to the possibility of additional injury without proper packaging or treatment					
	Entrant is visible, portal opening is	*	May be a permit-required space or a non-permit required space					
D	unrestricted, internal space is not congested and configuration is unobstructed. All	*	Entrant may require protection other than that associated with a confined space, such as fall protection, hearing protection, or other personal protective equipment	Immediate = Low &	Operation			
	hazards in and around the hazard space have been identified and can	*	No exposure to atmospheric or engulfment hazards that would be an immediate threat to health or life	Secondary = Low				
	been identified and can be mitigated by using respiratory protection. No risk of engulfment.		The rescue personnel can conduct the rescue without entering					

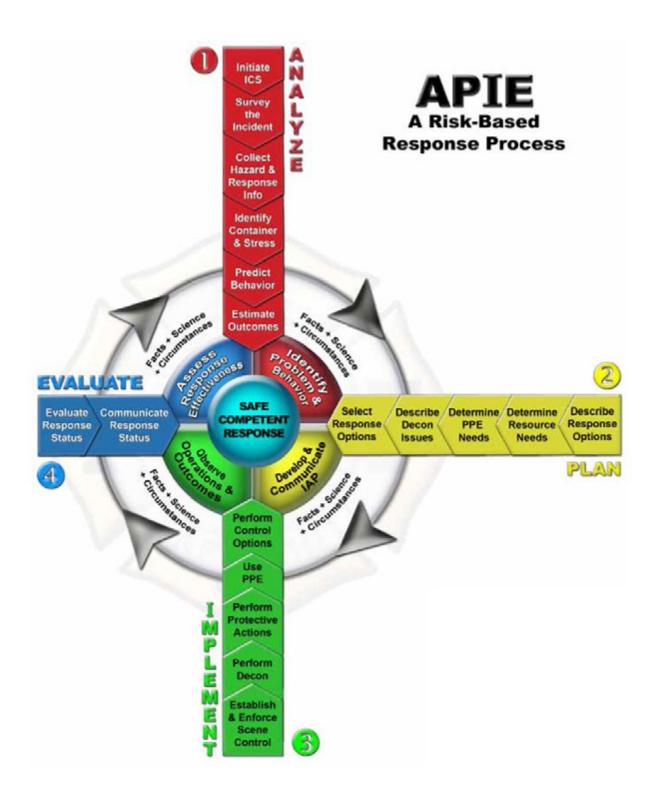


# **CONFINED SPACE CLASSIFICATION SYSTEM**

## **IMMEDIATE HAZARDS**









## **RISK-BASED RESPONSE ACTIONS**

Analyze the Problem

GOAL = Identify the Problem and Likely Behavior

Initiate ICS

Survey the incident

Collect hazard and response information

Identify container type and stress

**Predict behavior** 

Estimate outcomes

Plan the Response GOAL = Develop and Communicate the IAP

Describe response objectives

**Determine PPE needs** 

Describe decon issues

Select response options

GOAL = Observe Operations and Outcomes

Implement the Plan

Establish and enforce scene control

Secure area

Control crowd

Control traffic

Determine zones

Hot

Warm

Cold

Set up/perform decon

Perform protective actions

Rescue/recovery

Evacuation

Shelter-in-place

Patient transport

Use PPE

Perform control options

**Evaluate the Progress** 

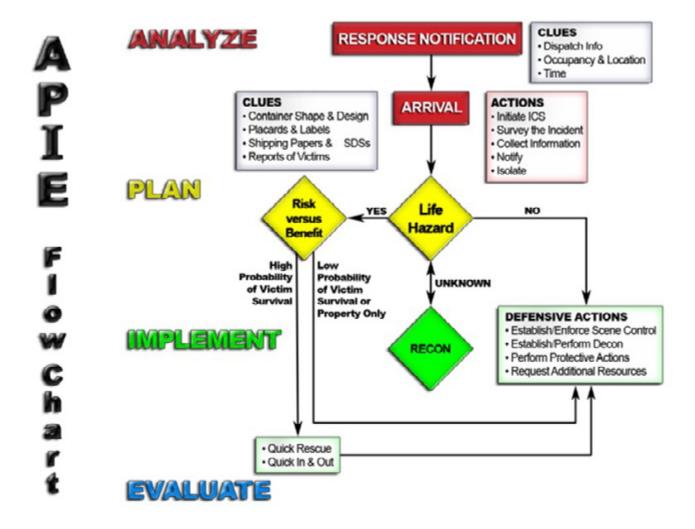
GOAL = Assess Response Effectiveness

Evaluate response status

Communicate response status



## Flow Chart for APIE: A Risk-Based Response Process





Step 1 ICS Estab	olish coı	mmand						
Command establishe	ed and id	entified					Yes	No
Command is:								
Command has been	transferr	ed to:						
Step 2 ANALYZE	E Identif	y the typ	e of ı	escue problem				
Container stress or re	elease / e	xcavation	or tre	nch collapse			Yes	No
Hazardous materials	incident	with rescu	ıe				Yes	No
Confined space resc	ue						Yes	No
Rope rescue							Yes	No
Other non-fire rescue	)						Yes	No
Step 3 ANALYZE	- Perfori	m hazard	and	risk assessment				
Date:		ective Tim		AM	PM Expiration Time:		AM	PM
Job site/space ID cor						N/A	Yes	No
Job supervisor identified and present N/A							Yes	No
Work being performe		<u> </u>						
All on site personnel	accounte	ed for (incl	lude v	ictims)			Yes	No
Number of victims:				Number	of onsite personnel:			
Location of victims:								
Required SDSs at site	and ava	ilable:					Yes	No
Data								
Date:	/	/						
NORM / Radiation:			mRem		Time:		AM	PM
Toxic Atmosphere:	Yes	No			Oxygen:		LEL:	%
Corrosivity:			рН		H2S:	V	OC:	ppm
CO:			ppm		Other:			ppm
Benzene:			ppm		Instruments Used:			
Calibration Date:	/	/			Serial Number:			
Expiration Date:	/	/		Personnel Conducting At	mospheric Monitoring:			



Step 3 (cor	ntinued)					
	OXYGEN	FLAMMABILITY	TOXICITY	CON	FIGURAT	ION
CLASS A	A <19.5% OR > 23.5% > 10% of LEL > IDLH or Ceiling					ernal
CLASS B	>-0.1% of 20.9%	<10% of LEL	>TLV / REL / PEL	Fa	ll line or i	nline
CLASS C	>-0.1% of 20.9%	<10% of LEL	< TLV / REL / PEL	Co	mplex int	ernal
CLASS D	+-0.1% of 20.9%	0 LEL	No exposure	Fa	ll line or i	nline
	OXYGEN	FLAMMABILITY	TOXICITY	CON	FIGURAT	ION
CLASS A	<19.5% OR > 23.5%	>10% of LEL	>IDLH or Ceiling	Co	mplex int	ernal
CLASS B	>-0.1% of 20.9%	<10% of LEL	>TLV / REL / PEL	Fa	ll line or i	nline
CLASS C	>-0.1% of 20.9%	<10% of LEL	< TLV / REL / PEL	Co	mplex int	ernal
CLASS D	+-0.1% of 20.9%	0 LEL	No exposure	Fa	ll line or i	nline
Step 4 ANA	ALYZE Identify Response O	bjectives				
Use communic	cation plan to determine respor	nse objectives			Yes	No
Non-intervention						
Order an E	Evacuation				Yes	No
Order a Sh	nelter in Place				Yes	No
Defensive, pro	tective actions (alert 3):					
Establish	DECON for potential contamina	ation			Yes	No
Establish	triage for potential MCI				Yes	No
Establish	and enforce scene control (sec	ure area, control crowd / traffi	c, determine zones)		Yes	No
Can you identi	fy offensive operations (alert 3)	:				
Rescue ta	ctics in the hot zone (recon, rap	oid extraction, VAI & rescue, M	CI triage)		Yes	No
Step 5 ANA	ALYZE Identify Resource N	eeds to Support Rescue C	bjectives			
Additional mor	nitoring equipment			N/A	Yes	No
Safety harness	es and lifeline for entry and sta	ndby personnel		N/A	Yes	No
Hoisting equip		N/A	Yes	No		
Communicatio		N/A	Yes	No		
SCBAs or SARs	N/A	Yes	No			
CPC and or oth	N/A	Yes	No			
All electric equ	ipment is intrinsically safe and	tools are non-sparking		N/A	Yes	No



Step 6 PLAN	Develop an Action	Plan					
Any viable victims?						Yes	No
If yes, determine tactical	l objectives for victim rescu	ie:					
Aerial Based Ops	Ground Based Ops	Recon	Rapid Extraction	VAI & Rescue	Decon	МС	I Triage
Designate essential pers	sonnel for task objectives:				N/A	Yes	No
Safety supervisor & resc	ue attendant				N/A	Yes	No
Entry & backup personn	el				N/A	Yes	No
Other support personne	l				N/A	Yes	No
Request additional reso	urces					Yes	No
Additional resources:							
If no, determine tactical	objectives for victim recov	ery (alert 4):					
Tactical objectives:							
Determine IAP strategy I	oased on available person	nel and equip	ment: Non-Inte	rvention	Defensive	0	ffensive
Step 7 IMPLEMEN	T Implement	the Action F	Plan				
The following have been	n reviewed and is acceptal	ole for rescue	to begin			Yes	No
Control zones secured (i	initial isolation & PAD> H	Z/WZ/CZ)			N/A	Yes	No
Line(s) broken-capped-l	olanked				N/A	Yes	No
Lockout/de-energize/tag	gout				N/A	Yes	No
Ventilation started					N/A	Yes	No
Hazard monitoring starte	ed				N/A	Yes	No
Rescuer medical monito	oring prior to HZ entry (haz	mat)			N/A	Yes	No
CRZ / Decontamination	measures established				N/A	Yes	No
Rescue personnel don P	PPE appropriate for task(s)				N/A	Yes	No
Other resources in place	e for safe work practices				N/A	Yes	No
Emergency procedures	and rescuer safe refuge ar	ea			N/A	Yes	No
Entry rescuers are attack	ned to lifelines				N/A	Yes	No
Victim packaging stage	d upwind and uphill				N/A	Yes	No
Rope rescue system pre	flight checklist conducted				N/A	Yes	No
Pre entry briefing for HA	Z-COMM				N/A	Yes	No



Step 7 (continued) Respiratory Equipment Time Log					
Name	Name	Name	Name		
SCBA SAR	SCBA SAR	SCBA SAR	SCBA SAR		
Pressure	Pressure	Pressure	Pressure		
On air time	On air time	On air time	On air time		
Air duration	Air duration	Air duration	Air duration		
Recall time	Recall time	Recall time	Recall time		
Off air time	Off air time	Off air time	Off air time		
S. S					

Step 8 EVALUATE

Evaluate the effectiveness of the action plan

Changes to plan:

Plan is proceeding as expected	N/A	Yes	No
Plan is not proceeding as expected	N/A	Yes	No
Minor changes needed	N/A	Yes	No
Major changes needed	N/A	Yes	No
Does the operation need to be stopped to make changes	N/A	Yes	No
Victim condition and information recorded for transfer of care		Yes	No

Step 9 TERMINATION

Terminate the incident

Debrief notes:

All personnel accounted for:	N/A	Yes	No
All equipment has been retrieved, recovered and maintained	N/A	Yes	No
Was a debriefing held	N/A	Yes	No
Evaluate operations and their effectiveness	N/A	Yes	No
Incident reports prepared	N/A	Yes	No
Are corrective actions needed	N/A	Yes	No