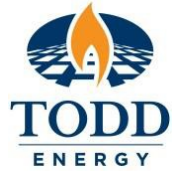


PTW Safety Checklist No. 45



WORK INSIDE ANY CONFINED SPACE, TANK OR VESSEL

Other Checklists that may be relevant:		
Permit Number:		Date:
Rev 4.2	Issue Date: 19/12/2019	Authorised By: PSM

JHA – Specific hazards associated with the confined space (This section replaces standard JHA).

Hazards of confined space to be entered	Controls/Barriers		
	Y	N	NA
1. Oxygen depletion			
2. Oxygen enrichment			
3. Combustible gases / vapours			
4. Above atmospheric pressure			
5. Chemicals/Toxics i.e. Mercury, NORM, Benzenes, Sludge contaminants			
6. Electrical hazards i.e. power cables (temporary or permanent)			
7. Mechanical hazards i.e. internal fittings			
8. Temperature Stress i.e. hot or cold			
9. Inadequate Light levels			
10. Engulfment / Entrapment			
11. Combustible material			
12. Weather conditions			

Confined Space Entry Category Assessment		Y	N	NA
1.	Permit Issuer has agreed scope of initial gas testing			
2.	Initial gas testing completed at multiple points (top, mid, bot) and recorded on CSE permit. NOTE: No entry allowed for whatever reason if: Oxygen > 21.5% or < 19.5% Flammables > 5% LEL			
3.	Is this a conforming entry or non-conforming entry? See PTW Manual Section 5.4 for definition			
For Non-Conforming CSE requiring Breathing Apparatus.		Y	N	NA
1.	Has the facility Superintendent approved this activity?			
2.	Has Worksafe NZ been notified of this activity?			
3.	Have health monitoring requirements been agreed and documented in JHA above?			
Prior to permit issue – <u>All Entries</u> (conforming and non-conforming) - Safety Observer to complete		Y	N	NA
1.	Means of communication agreed (record) Safety Observer → CSE entrants: _____ Safety Observer → CRO: _____			
2.	Barriers and signage in place to restrict uncontrolled access to confined space	Y	N	NA
3.	Ventilation type and volume agreed Note: use of natural ventilation may be suitable for Wellhead cellars, excavations etc. Type (Circle): Natural or Forced CSE Volume: _____ Capacity of Air Mover: _____ Number of Air Changes / Hour: _____ (~10 air changes/hour required)			
4.	All personnel involved in this entry i.e. SO, Rescue Team, Entrants, & permit signatories, shall hold the competencies as per Table 1 and are physically and mentally fit for the task.	Y	N	NA
5.	The following equipment will be required at the CSE worksite and must be confirmed operational			
	<ul style="list-style-type: none"> • Long line BA sets (complete with rescue pack) • Back pack BA sets • Spare fully charged BA cylinders • One BA control board • Safety lines • Approved torches rated Ex 'n' • Full body safety harnesses • Bump helmets • UHF radios • Gas detectors • Rescue winch/retrieval equipment • One Medic Rescue Pack (trauma pack) - On site only • Other: _____ • Other: _____ • Other: _____ 	No. Required	Tick when done	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
		[]	[]	
6.	Is access/egress to the Confined Space of a suitable size to safely effect a rescue	Y	N	NA
7.	Is access/egress external platform of CSE suitable for general access and large enough to effect a rescue	Y	N	NA
8.	Rescue plan has been completed and is attached; Rescue team fully briefed on rescue methods and fully understands their role in the plan.	Y	N	NA
9.	The requirement to wear a lifeline during the CSE has been determined	Y	N	NA
10.	First aid/Medical assistance is available as per Table 1.	Y	N	NA

Items 1 – 10 (inclusive) have been checked and agreed by the Safety Observer and the PI.

Sign: _____ Date: _____

SAFETY OBSERVER:		
PERMIT ISSUER:		

Immediately prior to entry – <u>All Entries</u>		Y	N	NA
1	Perform a thorough Toolbox talk ensuring all persons involved in the entry including the Rescue Team, Area Tech, and Permit Issuer, fully understands the agreed CSE requirement and Rescue Plan. NOTE: Subsequent toolbox talks for 'conforming entries' do not require the Permit Issuer or the Rescue Team to be present			
2	Verify all rescue equipment is currently certified and ready for use			
3	Perform a NORM test around/inside the entry point and enter results in Site NORM Register			
4	Confirm that continuous atmospheric monitoring indicates a safe atmosphere at entry point			
5	Radio check performed between Safety Observer & CRO			
6	Confirm Lifeline & Harness are worn where required			
7	Ensure there are no activities at or adjacent to the worksite that are in conflict with the CSE			
8	CRO notified each time a CSE commences and finishes, including at break times			

Immediately prior to entry – <u>Non Conforming CSE requiring Breathing Apparatus</u>		Y	N	NA
9	BA pre-use checks completed as per STA-01.14 (Use of Breathing Apparatus)			
10	Ensure BA compressor and/or associated filters & Lines have suitable warning signs and barriers to prevent interference by others			
11	Rescue team is onsite as per Non-Conforming section of PTW Manual, Section 5.4.			

**Items 1 – 10 (inclusive) have been checked and agreed by the Safety Observer and the Area Tech.
NOTE: This is a Per Shift / Daily requirement.**

Date	Time	Safety Observer	Area Tech

Table – 1

In addition to the below, the requirements for First Aid/Medical assistance during Confined Space Entry are as follows:

1. Conforming Confined Space Entry requires at least **ONE** First Aider on site
2. Non-Conforming Confined Space Entry requires at least **TWO** First Aiders and **ONE** Advanced First Aider on site

Course Title	Training / Qualifications Required										PSM Name
	PTW-01 CPTW Training Course	Apply Hazard ID & Risk Assess.	Manage Hazards associated with CSE or Plan a CSE	Issue Worksite Specific Work Permit	Safety Observing	Gas Testing		BA Wearer	CSE Rescue	PHEC Pre Hospital Emergency Care	
Unit Standard	17588 CPTW Version	17602 or 19522 and/or Site specific assessment	18426 or 17599	17590 and/or Site specific assessment	17596	3058	25510	3272	14562	25412 or higher	PSM Name
Permit System Manager (PSM)	√	√	√								Peter Ingram
Permit Applicant (PA)	√	√	√								
Responsible Operations Supervisor (ROS)	√	√	√	√							
Permit Issuer (PI)	√	√	√	√							
Area Technician (AT) and Initial Gas Tester	√	√	√			√					
PICWS / Safety Observer (SO)	√	√	√		√	√ or √					
CSE BA Controller								√			
CSE Entrants			√			√		√ (Non-Conforming)			
CSE Rescue Team			√			√		√ BA1 - BA2 (conforming)	√ BA1 - BA4 (Non-conforming)		
Advanced First Aider (Medic)										√ (Non-Conforming)	

RESCUE / EMERGENCY RESPONSE TEAM

ROLE	START DATE:	DATE	DATE	DATE	DATE
	START NAMES:	Name:	Name:	Name:	Name:
Incident Controller					
Operations Response Leader <i>(ORL cannot perform any part of CSE Rescue Team)</i>					
CRO					
Safety Observer					
BA # 1 Conforming – On site contactable via radio Non-conforming – At CSE ready to act					
BA # 2 Conforming – On site contactable via radio Non-conforming – At CSE ready to act					
BA # 3 Non-conforming – On site contactable via radio					
BA # 4 Non-conforming – On site contactable via radio					
CSE Rescue Team Leader <i>(Non-conforming only)</i>					
First Aider Conforming – One required on site Non-conforming – Two required on site					
Advanced First Aider (Medic) Non-conforming only – One required on site					

VESSEL ENTRY LOG – To be maintained at the CSE entry point by the Safety Observer

Vessel/Tank _____ Safety Observer: _____

Date	Person Entering Vessel/Tank	Time In	Time Out	Time In	Time Out	Time In	Time Out	Time In	Time Out	Time In	Time Out