

PTW CHECKLIST - NO. 45		Title: Work Inside any Confined Space, Tank or Vessel	
Owner: Permit System Owner			
Approver: Permit System Owner		Document No: PTW-01.45	
		Max Validity Period: 5 yrs	
Permit No.:		Date:	
Latest Rev	Date	Details	Authorised By
7.1	May 2016	Inclusion of NORM testing requirements	S Elliott
7.2	Feb 2017	Addition of US-25510 on Table-1	S Elliott
7.3	Oct 2017	Sheet/table formatting, BA controller sign-off added, and changed order of tables	S Elliott

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. Lack of oxygen			
2. Oxygen enrichment			
3. Combustible gases / vapours			
4. Chemicals/Toxics i.e. Mercury (HRA9), NORM (HRA11), Benzenes (HRA16)			
5. Electrical hazards i.e. power cables (temporary or permanent)			
6. Mechanical hazards			
7. Temperature Reference (HRA3) for Thermal Stress Assessment.			
8. Low Light levels			
9. Engulfment / Entrapment			
10.			
11.			
12.			

Confined Space Entry Category Assessment		Y	N	NA
1.	PI 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% Flammables > 5% LEL			
3.	Is this a conforming entry? See PTW manual section 4.15 for details			
Prior to permit issue – Non Conforming CSE requiring Breathing Apparatus. (If not required, skip to next section)		Y	N	NA
1.	Has the facility Activity Manager approved this activity?			
2.	Has Worksafe NZ been notified of this activity?			
3.	Have health monitoring requirements been agreed with the STL Occupational Health Nurse and documented in JHA above?			

Prior to permit issue – All entries - to be completed by the PICWS (Safety Observer)		Y	N	NA
1.	Means of communication agreed Safety Observer → CSE entrants: _____ Safety Observer → CRO: _____			
2.	Barriers and signage in place to restrict access to confined space			
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: _____			
4.	All personnel involved in this entry i.e. SO, Rescue Team, Entrants & permit signatories hold the competencies as per Table 1.			
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: _____ • Other: _____ • Other: _____ 		No. Required	Tick when done	
		1	2	
		3	4	
		5	6	
		7	8	
		9	10	
		11	12	
		13	14	
		15	16	
		17	18	
		19	20	
		21	22	
6.	Is the access/egress platform suitable for general access and large enough to affect a rescue			
7.	Rescue team fully briefed on the rescue methods and understand their role in the rescue plan			
8.	The requirement to wear a lifeline during the entry has been determined			
9.	First aid/Medical assistance available as per Table 1.			

Items 1 – 9 (inclusive) have been checked and agreed by the PICWS (Safety Observer) and the PI.

Sign:

Date:

SAFETY OBSERVER (CSE PICWS):		
PERMIT ISSUER:		

Immediately prior to entry – All Entries		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 understand 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.	Perform a NORM test around/inside the entry point and enter results in Site Register.			
3.	Confirm continuous atmospheric monitoring indicates safe atmosphere at entry point.			
4.	Radio check performed between Safety Observer & CRO			
5.	Confirm Lifeline & Harness worn where required.			
6.	Ensure there are no activities at or adjacent to the worksite that are in conflict with the entry			
7.	CRO notified when CSE commences and finishes, including at break times			

Immediately prior to entry – Non Conforming CSE requiring Breathing Apparatus		Y	N	NA
8.	BA pre-use checks completed as per STA-01.14 (Use of Breathing Apparatus) .			
9.	Ensure BA compressor and associated filters & Lines have suitable warning signs to prevent Interference by others.			
10.	Rescue team is onsite as per Non-Conforming section of PTW manual, section 4.15.			

Items 1 – 9 (inclusive) have been checked and agreed by the PICWS (Safety Observer) and the Area Tech.
NOTE: This is a Per Shift / Daily requirement.

Date	Time	Safety Observer	Area Tech

RESCUE / EMERGENCY RESPONSE TEAM

ROLE	DATE	DATE	DATE		DATE	DATE	DATE	DATE	DATE	DATE	DATE
Incident Controller											
Operations Response Leader <i>(ORL cannot perform any part of CSE Rescue Team)</i>											
CRO											
Safety Observer											
BA Controller											
BA # 1											
BA # 2											
BA # 3											
BA # 4											
Response Team Leader <i>(Non-conforming only)</i>											
Medic											

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								Name:
	PTW-01	Permit Applicant	Manage Hazards associated with CSE and / or Plan a CSE	Safety Observer	Gas Tester		BA Wearer	CSE Rescue	
Unit Standard	STL Specific	17588	18426 and / or 17599	17596	3058	25510	3272	14562	
Permit System Manager (PSM)	√	√	√						Simon Elliott
Permit Applicant (PA)		√	√						
Responsible Operations Supervisor (ROS)	√	√	√						
Permit Issuer (PI)	√	√	√						
Area Technician (AT) and Initial Gas Tester	√	√	√		√				
Safety Observer (SO)		√	√	√	√	or √	√		
CSE Entrants			√				√ (Non-Conforming)		
CSE Rescue Team			√			√	√	√ x 2	

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