Watercare

CONFINED SPACE ENTRY CERTIFICATE

Asset Number _____ **Permit Number** _____

Site:		Physical Address:	
Description of work:		Company Name:	

Atmospheric testing (Always test atmosphere before entry)		**Entry Certificate duration**		**Other documents required for the work: (*attached*)**
Gas detector type	4 Gas / PID (*circle*)	Valid from	*Date*: / / *Time* : AM/PM	☐ Job Safety Analysis (JSA) ☐ Isolation Certificate ☐ SOP
Serial number		Valid to	*Date*: / / *Time* : AM/PM	☐ Confined Space Permit ☐ Hazardous Energy Permit ☐ Flow control
				☐ Hot Work Permit ☐ Work at Height Permit ☐ Other (specify)

Atmospheric Test Results

Gas/contaminant	**Pre-entry limits**		**Gas detector re-check evidence** 1	2	3	4	**Alarm record**
	Time	:	:	:	:	:	:
Oxygen (O2)	>19.5 – < 22.0						
Carbon monoxide (CO)	< 25 ppm						
Hydrogen sulphide (H2S)	< 5 ppm						
Flammables	< 5 % LEL						
VOC	< 20 ppm						
Other work exposure	WES						
Gas Tester *(Signature)*			(*Signature of ongoing tester if different to pre-entry tester*):				

Confined Space Entry Team: Sign in – Sign out

Name	**Time In**	**Time Out**	**Name**	**Time In**	**Time Out**
Standby / Safety Watch (*name*):					

Protective and safety equipment to be used

Safety harness	☐	Air supplied breathing apparatus	☐	Safety line	☐
Tripod	☐	Oxygen self-rescue device	☐	Coverall	☐
Fall arrest	☐	Additional ventilation / extraction	☐	Other (specify)	

CERTIFICATE APPROVAL		**CERTIFICATE CLOSE OUT**	
The confined space risks for this entry have been identified, assessed and verified (*decision tree*). The controls planned on the JSA / SOP have been put in place.		All work completed / suspended (*circle*), equipment removed and **persons vacated** the space.	
Responsible Person for Entry	(*name*)	**Responsible Person for Entry**	*(Signature)*
Date: / /	*(Signature)*	Date: / /	
Record incomplete work here:			

CONFINED SPACE DECISION TREE

Important: Every confined space entry must have:

- Confined Space Decision Tree
- Job Safety Analysis (JSA) and/or approved SOP
- Confined Space Entry Certificate

A Confined Space Permit must also be completed where the residual risk score is 2, 3, 4 or 5.

Decision Tree Instructions:

1. **Circle** the **raw risk score** for potential risks identified in the confined space, **X** the risks that do not apply.
2. Determine the **residual risk score** based on the controls planned for the entry.
3. Complete the **verified risk score** onsite once all controls have been put in place and pre-entry gas testing is complete

Confined Space Risk (circle the potential risks identified in the confined space)	**Raw Risk**	**Residual Risk Score**	**Verified Risk Score**
Realistic potential for engulfment likely to cause drowning, by fluids or flow rates from a pipe or channel greater than 400mm in diameter	5		
Hydrogen sulphide present (10ppm or greater)	5		
Flammable gases present (at alarm levels - >10% LEL)	5		
Toxic VOC gases present (at alarm levels)	5		
Oxygen levels below 19.5% or above 22%	5		
Emergency work in a wastewater confined space(s) during either wet weather high flow conditions or during diurnal peak flow period.	5		
Hydrogen sulphide present (5ppm to 10ppm)	4		
Heat inside confined space at or above 40C, either before entry or due to work activities	4		
Task-related activities have the potential to elevate risk levels (e.g. painting, cleaning, vapours, welding, etc.)	4		
Any traverse activity, of 15 metres or more, which requires an entry party to disconnect from the safety line.	3		
Any alarm activation prior to entry (after atmospheric environment stabilisation)	3		
Working in static fluid (i.e. not live or flowing) where the depth is greater than 1.0 m	3		
Loss of clear line of sight or communications with safety standby person.	3		
Where it is evident that other incompatible work is occurring in the vicinity (e.g. hot work, refuelling, excavations near point of entry)	2		
Wastewater pump station dry wells/ (above or below ground structures) with a common air space with the wet well.	2		
Any other enclosed or partially enclosed space, where hazards are introduced into the space through the task to be performed, and those hazards may realistically create one or more of the following risks; oxygen outside the safe range, fire, explosion, engulfment, drowning, suffocation, an airborne contaminant that may cause impairment, loss of consciousness or asphyxiation.	1		
NOTE: A Confined Space Permit is required if the highest residual risk score for the confined space entry is a 2,3,4 or 5			

Residual Risk level	**Required Action**	**Permit Required**
5	**Unsafe to enter confined space in an uncontrolled state**. Immediate action required to reduce risk to a tolerable level. Examples include a flammable or toxic atmosphere. Work to remain prohibited until the risk level is reduced. NO ENTRY PERMITTED in flammable atmosphere even with BA. Monitor risk and controls to ensure the risk remains at a tolerable level.	**Yes**
4	**Unsafe to enter confined space in an uncontrolled state.** Suspend work until controls are applied that reduce the risk. Examples include a toxic atmosphere. Work to remain prohibited until the risk level is reduced. (E.g. ventilated or BA used). Monitor risk and controls to ensure the risk remains at a tolerable level.	**Yes**
3	Where ever practicable identify and apply controls that reduce the risk to as low as practicable. Monitor the controls to ensure the risk level remains at the managed level or lower.	**Yes**
2	Where ever practicable identify and apply controls that reduce the risk further. Only tolerate a risk at this level where it is not practicable to apply additional controls.	**Yes**
1	This level of risk is considered tolerable. Proceed with implementation of controls and work activity. Monitor the controls to ensure the risk level remains at this level.	**No**

CONFINED SPACE DECISION TREE