

## SWMS - Confined Spaces

### Confirmation of review & acceptance

[illegible]



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# Safe Work Method Statement

|                       |                                                                                           |                    |                            |
|-----------------------|-------------------------------------------------------------------------------------------|--------------------|----------------------------|
| Project:              | Serco Macleay                                                                             | SWMS Prepared By:  | Andrew Tuckey              |
| Principal Contractor: | Serco Defence                                                                             | SWMS No:           | SWMS01                     |
| Location:             | HMAS Kuttabul Cowper Wharf Rd Potts Point                                                 | Last Reviewed:     | Mon 19FEB25                |
| Contact:              | Steve Reisis 0405 585 124                                                                 | SWMS Completed By: | Andrew Tuckey 0411 701 570 |
| Description of Work:  | Provide standby & rescue services for confined space entrants.<br>Clean & degrease tanks. | Date Completed:    | Wed 03DEC25                |

| Applicable OHS Legislation                | Minimum Licence/Competency requirements for Task | Applicable Hazard Control Standards for Task               |
|-------------------------------------------|--------------------------------------------------|------------------------------------------------------------|
| NSW Work Health & Safety Act 2011         | Construction White Card                          | AS2865-2009 Confined Spaces                                |
| NSW Work Health & Safety Regulations 2011 | Enter Confined Space                             | Confined Spaces Code of Practice 2018                      |
|                                           | Gas Test Atmospheres                             | Hazardous Manual Tasks Code of Practice 2018               |
|                                           | Issue Work Permit                                | Managing Risk of Falls at Workplaces Code of Practice 2018 |
|                                           | Conduct Risk Assessment                          |                                                            |
|                                           | Confined Space Rescue                            |                                                            |
|                                           |                                                  |                                                            |
|                                           |                                                  |                                                            |
|                                           |                                                  |                                                            |

## Preceding Works & Requirements

This section is to be used to specify any processes and/or standard requirements prior to conducting the activity and does not need to be repeated in the main body of the SWMS

All persons must report fit for Work e.g. Not affected by Drugs (includes prescription medication), Alcohol or Fatigue, & must complete a Medical Declaration

A JSA addressing the task and worksite hazards must be completed and signed by all personnel before work commences each shift

Standard PPE to be worn for all steps included in this SWMS. This includes: full length clothing / hard hat / safety footwear / hi-vis clothing / safety glasses / task suitable gloves (as required)

Confined Spaces Entry Permit and/or other applicable permits (Hot Work etc)

Emergency Plan

The following specialised equipment / emergency provisions must be readily accessible at the worksite prior to commencement:

- Dry chemical fire extinguisher
- Communication devices (Phone, Radio etc)
- Atmospheric monitoring device, tested and within calibration.
- First aid kit and trained 1st aider
- Barricades & signage
- Rescue equipment

Monitoring and Review of Risk Controls

- Daily pre-start meeting conducted with work crew prior to commencement.
- JSA prepared prior to commencement of task.
- Incident Reports
- SWMS reviewed on an annual basis or following any material change to the task or risks.

# SWMS - Confined Spaces

RISK ASSESSMENT MATRIX

| What is the <u>CONSEQUENCE</u> of an occurrence be?                                                            | What is the <u>LIKELIHOOD</u> of an occurrence? |             |               |               |           | Hierarchy of Controls                                                                 |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------|---------------|---------------|-----------|---------------------------------------------------------------------------------------|
|                                                                                                                | Almost Certain<br>A                             | Likely<br>B | Possible<br>C | Unlikely<br>D | Rare<br>E |                                                                                       |
| <b>Catastrophic - 5</b><br>On or off site release with severe, long-term damage.                               | E-1                                             | E-2         | E-4           | E-7           | H-11      | Can the hazard be <b>Eliminated</b> or removed from the work place?                   |
| <b>Major - 4</b><br>Injury or illness (amputation, LTI), Off site release with significant damage.             | E-3                                             | E-5         | E-8           | H-12          | H-16      | Can the product or process be <b>Substituted</b> for a less hazardous alternative?    |
| <b>Moderate - 3</b><br>Medical treatment required. On site release with significant damage.                    | E-6                                             | H-9         | H-13          | M-17          | M-20      | Can the hazard be <b>Engineered</b> away with guards or barriers?                     |
| <b>Minor - 2</b><br>First aid treatment. On site release, minor short-term damage and immediately contained.   | H-10                                            | H-14        | M-18          | L-21          | L-23      | Can <b>Administration Controls</b> be adopted?<br>(i.e. procedures, job rotation etc) |
| <b>Insignificant - 1</b><br>No injury or illness. Minor localised spill, limited damage to insignificant area. | H-15                                            | M-19        | L-22          | L-24          | L-25      | Can Personal Protective Equipment & Clothing be worn to safe guard against hazards?   |

|                   |                      |     |                                                                                                                                |     |
|-------------------|----------------------|-----|--------------------------------------------------------------------------------------------------------------------------------|-----|
| Working at height | Falls                | E4  | Barricading to be erected near falls                                                                                           | L23 |
| Chemical spills   | Fumes                | H13 | Harness & fall arrestor to be used when outside or no barricading                                                              | L21 |
|                   | Burns                | H13 | Lids to be checked secure before transport to work area<br>Chemicals to be stored, transported & decanted in banded containers | L21 |
|                   | Environmental damage |     | Respiration & eye protection worn when decanting<br>Spill kit on hand<br>Ensure work area & access way adequately protected    |     |

|                                |                                     |                                      |            |                                                                                                                                                                         |            |
|--------------------------------|-------------------------------------|--------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Removing access panel to space | Manual handling heavy access plates | Muscle strain                        | M18        | Follow Manual Handling SWP                                                                                                                                              | L23        |
|                                |                                     | Hand &/or eye injury                 | M18        | Gloves & eye protection to be worn                                                                                                                                      | L23        |
|                                | Opening unvented/closed space       | Dangerous gases                      | E4         | Follow Gas Test Atmosphere guidelines for opening space                                                                                                                 | L23        |
|                                |                                     | Low oxygen                           | E4         | Check tank contents before opening, disinfect when necessary                                                                                                            | L23        |
|                                |                                     | Biological hazards<br>Skin irritants | H13<br>H13 | Gloves, respiration & face/eye protection to be worn as required<br>Constantly monitor atmosphere around access panel<br>Leave space open for 24 hours before accessing | L23<br>L23 |

|                           |                                                |                          |     |                                                                                       |     |
|---------------------------|------------------------------------------------|--------------------------|-----|---------------------------------------------------------------------------------------|-----|
| Enter space               | Enter unvented/closed space                    | Low oxygen               | E4  | Follow Gas Test Atmosphere guidelines before entering space                           | L23 |
|                           |                                                | Flammable gases          | E4  | Mechanically ventilate space                                                          | L23 |
|                           | Biological hazards                             | H2S gas                  | E4  | Wear appropriate PPE as identified in JSA                                             | L23 |
|                           |                                                | Paint or chemical fumes  | M18 | Constant gas monitoring                                                               | L25 |
|                           |                                                | Infection                | M18 | Wear appropriate PPE as identified in JSA<br>Flush & disinfect space before entry     | L24 |
|                           | Large drop at entry                            | Falls                    | E4  | Harness & fall arrestor to be used                                                    | L23 |
|                           |                                                | Chemical burns           | H9  | Wear appropriate PPE as identified in JSA                                             | L23 |
|                           | Skin irritants                                 |                          |     | Mechanically ventilate space                                                          |     |
|                           |                                                |                          | H9  | Flush space before entry                                                              | L23 |
|                           |                                                | Chemical fumes           |     |                                                                                       |     |
| Space filling when inside | Distance or barriers between entrant & standby | Drowning/engulfment      | H13 | Pumps to be locked out & tagged identified in Permit                                  | M20 |
|                           |                                                | Difficulty communicating | E4  | Communication method as identified in JSA                                             | L25 |
|                           | Use of electrical equipment                    |                          |     |                                                                                       |     |
|                           |                                                | Ignition source          | E2  | Use intrinsically safe equipment if identified in JSA<br>Mechanically ventilate space | L25 |

## SWMS - Confined Spaces

| Steps | Hazards               | Risks                            | Initial Risk | Controls                                                                                                                      | Residue Risk |
|-------|-----------------------|----------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|
|       |                       | Electrocution                    |              | Check MSDS for flashpoint, ensure temp in space is below flash point                                                          |              |
|       |                       | Fire                             |              | Fire extinguisher                                                                                                             |              |
|       | Space heated from sun | Heat exhaustion                  | H9           | Cut off all power sources before entry                                                                                        | L25          |
|       |                       | Dehydration                      | H13          | Mechanically ventilate space<br>Drinking water on hand<br>Short shifts in space                                               | L25          |
|       | Exterior works        | Noise                            | H9           | Arrange work in space around exterior works                                                                                   | L25          |
|       |                       | Fumes                            | E4           | Mechanically ventilate space<br>Ensure permits & SWMS at project sign in station<br>Wear appropriate PPE as identified in JSA | L21          |
|       | Exit space            | Large drop at entry              | E4           | Harness & fall arrestor to be used                                                                                            | L23          |
|       |                       | Falls                            |              | Ladders secure & suitable for task                                                                                            |              |
|       | Personnel left behind | Injury/death                     | E7           | Standby to be present until all entrants have signed out                                                                      | L25          |
|       |                       |                                  |              | Check sign out sheet all entrants out before closing permit                                                                   |              |
|       |                       | Equipment left behind            | L22          | Reinspect/double check space after removing equipment                                                                         | L25          |
|       | Emergency Rescue      | Unresponsive entrant             | E4           | Workers to be harnessed and connected to winch at all times                                                                   | L22          |
|       |                       | External extraction possible     |              | Harness to be worn by all entrants                                                                                            |              |
|       |                       | External extraction not possible | E4           | Communication method followed as described in Rescue Plan                                                                     | L22          |
|       |                       |                                  |              | Rescue equipment & personnel as identified in Rescue Plan in close proximity                                                  |              |