

## Confined Space Permit to Work

|                                                  |                                                              |                        |                  |
|--------------------------------------------------|--------------------------------------------------------------|------------------------|------------------|
| Work Order No:                                   |                                                              |                        |                  |
| Location of Works:                               | Sydney City Marine<br>Cheryl Salisbury<br>Starboard Aft Void |                        |                  |
| Description of Works:                            | Grinding + welding                                           |                        |                  |
| Issue Date: <u>Thu 19 FEB 26</u>                 | Time: <u>07:24</u>                                           | Valid to: <u>18:00</u> |                  |
| Risk Assessment Attached & Completed: <u>YES</u> | Site Induction Required: <u>YES</u>                          |                        |                  |
| Confined Space Authoriser: <u>A Tuckey</u>       | <u>0411 701 570</u>                                          | Cert No                | <u>260219-04</u> |

### Requirements

| Entrants PPE        |                                     |
|---------------------|-------------------------------------|
| Respirator          | <input checked="" type="checkbox"/> |
| Breathing Apparatus | <input checked="" type="checkbox"/> |
| Eye Protection      | <input checked="" type="checkbox"/> |
| Hard Hat            | <input checked="" type="checkbox"/> |
| Hand Protection     | <input checked="" type="checkbox"/> |
| Protective Clothing | <input checked="" type="checkbox"/> |
| Hearing Protection  | <input checked="" type="checkbox"/> |
| Lifeline            | <input checked="" type="checkbox"/> |
| Harness             | <input checked="" type="checkbox"/> |

| Other                             |                                     |
|-----------------------------------|-------------------------------------|
| Mechanical Ventillation           | <input checked="" type="checkbox"/> |
| Fire Extinguisher                 | <input checked="" type="checkbox"/> |
| Gas Meter                         | <input checked="" type="checkbox"/> |
| Eye Wash                          | <input checked="" type="checkbox"/> |
| 2-way Communication               | <input checked="" type="checkbox"/> |
| Confined Space Signage            | <input checked="" type="checkbox"/> |
| Safety Barriers                   | <input checked="" type="checkbox"/> |
| Intrinsically Safe Equipment Only | <input checked="" type="checkbox"/> |
| 1st Aid Kit                       | <input checked="" type="checkbox"/> |

| Paperwork to Attach |                                     |
|---------------------|-------------------------------------|
| Rescue Plan         | <input checked="" type="checkbox"/> |
| Entry Register      | <input checked="" type="checkbox"/> |
| JSA                 | <input checked="" type="checkbox"/> |
| MSDS                | <input checked="" type="checkbox"/> |
| Hot Works           | <input checked="" type="checkbox"/> |

| Rescue               |                                     |
|----------------------|-------------------------------------|
| Harness              | <input checked="" type="checkbox"/> |
| 2-way communication  | <input checked="" type="checkbox"/> |
| Mobile Phone         | <input checked="" type="checkbox"/> |
| Full Face Respirator | <input checked="" type="checkbox"/> |
| Breathing Apparatus  | <input checked="" type="checkbox"/> |
| Rescue Winch         | <input checked="" type="checkbox"/> |
| Chemical Suit        | <input checked="" type="checkbox"/> |
| Rescue Personnel     | <input checked="" type="checkbox"/> |

| Isolations (Non Required <input checked="" type="checkbox"/> ) |  |                           |  |
|----------------------------------------------------------------|--|---------------------------|--|
| Power to be Tagged                                             |  | Waste Pump to be Tagged   |  |
| Fuel Pump to be Tagged                                         |  | Ventillation to be Tagged |  |
| Fire Systems to be Tagged                                      |  | Compressor to be Tagged   |  |
| Isolations Removed                                             |  |                           |  |

Authorised By:

A Tuckey

Closed By:

F. Sarker



# REFLECTIONS

## Detailing

Reflections Detailing  
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37 James Craig Rd  
ROZELLE NSW 2039

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| Possible Hazards                                                                      | Risks Without Controls                                                                                                                                                                            | Control Measure To Be Used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Skin irritants                                               | <input type="checkbox"/> Chemical burns<br><input type="checkbox"/> Chemical fumes                                                                                                                | <input type="checkbox"/> Mechanically ventilate space<br><input type="checkbox"/> Flush space before entry<br><input type="checkbox"/> Chemical proof suit<br><input type="checkbox"/> Breathing apparatus<br><input type="checkbox"/> Respirator<br><input type="checkbox"/> Eye protection<br><input type="checkbox"/> Gloves                                                                                                                                                                                |
| <input checked="" type="checkbox"/> Exterior works                                    | <input checked="" type="checkbox"/> Noise<br><input checked="" type="checkbox"/> Fumes                                                                                                            | <input checked="" type="checkbox"/> Arrange work in space around exterior works if possible<br><input checked="" type="checkbox"/> Mechanically ventilate space<br><input checked="" type="checkbox"/> Ensure permits & SWMS at project sign in station<br><input checked="" type="checkbox"/> Hearing protection<br><input checked="" type="checkbox"/> Constant gas monitoring<br><input checked="" type="checkbox"/> Respirator                                                                             |
| <input type="checkbox"/> Space filling when inside                                    | <input type="checkbox"/> Drowning/engulfment                                                                                                                                                      | <input type="checkbox"/> Pumps to be locked out or tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input checked="" type="checkbox"/> Use of electrical equipment                       | <input checked="" type="checkbox"/> Electrocutation<br><input type="checkbox"/> Ignition source<br><input checked="" type="checkbox"/> Short circuit/fire                                         | <input type="checkbox"/> Use intrinsically safe equipment<br><input checked="" type="checkbox"/> Mechanically ventilate space<br><input type="checkbox"/> Check MSDS for flashpoints, ensure temp in space is below<br><input checked="" type="checkbox"/> Use of RCD with 240v tools<br><input checked="" type="checkbox"/> Dry powder fire extinguisher<br><input checked="" type="checkbox"/> 240v equipment to be tested & tagged<br><input checked="" type="checkbox"/> Use of waterproof plug protectors |
| <input checked="" type="checkbox"/> Distance or barriers between entrant & standby    | <input checked="" type="checkbox"/> Difficulty communicating with or hearing entrant                                                                                                              | <input type="checkbox"/> 2-way communication<br><input checked="" type="checkbox"/> Regular vocal communication<br><input type="checkbox"/> Video monitoring of entrant<br><input type="checkbox"/> Regular life line communication                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/> Grinding &/or sanding in space                    | <input checked="" type="checkbox"/> Dust & flying debris<br><input checked="" type="checkbox"/> Noise<br><input checked="" type="checkbox"/> Sparks<br><input checked="" type="checkbox"/> Injury | <input checked="" type="checkbox"/> Eye/face protection<br><input checked="" type="checkbox"/> Ear protection<br><input checked="" type="checkbox"/> Gloves<br><input checked="" type="checkbox"/> Respirator<br><input checked="" type="checkbox"/> Guards attached to angle grinders<br><input checked="" type="checkbox"/> Mechanically ventilate space<br><input checked="" type="checkbox"/> Hot works permit                                                                                             |
| <input type="checkbox"/> Space heated from hot water or sun                           | <input type="checkbox"/> Dehydration<br><input type="checkbox"/> Heat exhaustion                                                                                                                  | <input type="checkbox"/> Drinking water on hand<br><input type="checkbox"/> Mechanical ventilation<br><input type="checkbox"/> Short shifts in space                                                                                                                                                                                                                                                                                                                                                           |
| <input type="checkbox"/> Pressure cleaning                                            | <input type="checkbox"/> Flying debris<br><input type="checkbox"/> Noise<br><input type="checkbox"/> Burns                                                                                        | <input type="checkbox"/> Eye/face protection<br><input type="checkbox"/> Gloves<br><input type="checkbox"/> Ear protection                                                                                                                                                                                                                                                                                                                                                                                     |
| <input checked="" type="checkbox"/> Use of chemical cleaners, paints or welding gases | <input checked="" type="checkbox"/> Chemical burns<br><input checked="" type="checkbox"/> Chemical fumes<br><input checked="" type="checkbox"/> Eye irritation                                    | <input type="checkbox"/> Chemical resistant clothing<br><input type="checkbox"/> Gloves<br><input checked="" type="checkbox"/> Eye/face protection<br><input type="checkbox"/> Breathing apparatus<br><input checked="" type="checkbox"/> Respirator<br><input checked="" type="checkbox"/> Mechanically ventilate space<br><input checked="" type="checkbox"/> Monitor STEL & TWA for CO exposure, or use breathing apparatus<br><input checked="" type="checkbox"/> MSDS available                           |
| <input checked="" type="checkbox"/> Personnel left behind                             | <input checked="" type="checkbox"/> Injury/death                                                                                                                                                  | <input checked="" type="checkbox"/> Standby to be present until all entrants have signed out<br><input checked="" type="checkbox"/> Check on sign out sheet all entrants out before closing permit                                                                                                                                                                                                                                                                                                             |
| <input checked="" type="checkbox"/> Equipment left behind                             | <input checked="" type="checkbox"/> Cause pump blockage or other issues                                                                                                                           | <input checked="" type="checkbox"/> Reinspect/double check space after removing equipment                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input checked="" type="checkbox"/> Entrant unresponsive                              | <input type="checkbox"/> Ability to remove entrant by external means<br><input checked="" type="checkbox"/> Unable to extract worker by external means                                            | <input type="checkbox"/> Entrant(s) to be connected to winch at all times<br><input checked="" type="checkbox"/> Rescue equipment on site<br><input checked="" type="checkbox"/> Rescue personnel on site<br><input checked="" type="checkbox"/> Harness to be worn by all entrants<br><input checked="" type="checkbox"/> 2-way communication available for rescue entrant<br><input checked="" type="checkbox"/> Mobile phone for contacting 1st aid & emergency services                                    |



## JSA - Confined Spaces

|                      |                    |                |             |                      |  |
|----------------------|--------------------|----------------|-------------|----------------------|--|
| JSA Prepared By:     | Andrew Tuckey      | Last Reviewed: | Fri 08FEB21 | Read & Understood By |  |
| Description of Work: | Grinding + welding |                |             | Andrew Tuckey        |  |
| Vessel/Location      | Cheryl Sailsbury   |                |             | Hollenburg           |  |
| JSA No:              | JSA01              |                |             | *Laguerre            |  |
| JSA Completed By:    | A Tuckey           |                |             |                      |  |
| Date:                | 19/2/26            |                |             |                      |  |

| Possible Hazards                                                     | Risks Without Controls                                                                                                                                                             | Control Measure To Be Used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Manual handling heavy equipment  | <input checked="" type="checkbox"/> Muscle strain<br><input checked="" type="checkbox"/> Dropping & damaging equipment<br><input checked="" type="checkbox"/> Damaging site        | <input checked="" type="checkbox"/> Follow Manual Handling SWP<br><input checked="" type="checkbox"/> Use mechanical lifts where possible<br><input checked="" type="checkbox"/> Adequately protect work area & access way<br><input checked="" type="checkbox"/> Gloves<br><input checked="" type="checkbox"/> Safety boots                                                                                                                                                                                                          |
| <input type="checkbox"/> Chemical spills                             | <input type="checkbox"/> Fumes<br><input type="checkbox"/> Burns<br><input type="checkbox"/> Environmental damage                                                                  | <input type="checkbox"/> Lids to be checked secure before transport to work area<br><input type="checkbox"/> Chemicals to be stored, transported & decanted in bunded containers<br><input type="checkbox"/> Ensure work area & access way adequately protected<br><input type="checkbox"/> Spill kit on hand<br><input type="checkbox"/> Gloves<br><input type="checkbox"/> Respirator<br><input type="checkbox"/> Eye protection                                                                                                    |
| <input checked="" type="checkbox"/> Use of 18V power tools           | <input checked="" type="checkbox"/> Hand &/or eye injury<br><input checked="" type="checkbox"/> Noise                                                                              | <input checked="" type="checkbox"/> Gloves<br><input checked="" type="checkbox"/> Eye protection<br><input checked="" type="checkbox"/> Hearing protection                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/> Pedestrian hazards               | <input checked="" type="checkbox"/> Trips                                                                                                                                          | <input checked="" type="checkbox"/> Use signage &/or barriers around obstructions<br><input checked="" type="checkbox"/> Maintain & tidy & organised work site                                                                                                                                                                                                                                                                                                                                                                        |
| <input checked="" type="checkbox"/> Working at height                | <input checked="" type="checkbox"/> Falls                                                                                                                                          | <input checked="" type="checkbox"/> Barricading to be erected near falls<br><input checked="" type="checkbox"/> Harness & fall arrestor                                                                                                                                                                                                                                                                                                                                                                                               |
| <input checked="" type="checkbox"/> Drop at entry                    | <input checked="" type="checkbox"/> Falls                                                                                                                                          | <input checked="" type="checkbox"/> Barricading around entry<br><input checked="" type="checkbox"/> Harness & fall arrestor to be used<br><input checked="" type="checkbox"/> Ladders secure & suitable for task                                                                                                                                                                                                                                                                                                                      |
| <input type="checkbox"/> Opening unvented/closed space               | <input type="checkbox"/> Dangerous gases<br><input type="checkbox"/> Low oxygen<br><input type="checkbox"/> Infection<br><input type="checkbox"/> Skin irritants                   | <input type="checkbox"/> Follow Gas Test Atmosphere guidelines while opening space<br><input type="checkbox"/> Check tank contents before opening<br><input type="checkbox"/> Constantly monitor atmosphere around access panel<br><input type="checkbox"/> Leave space open for 24 hours before accessing<br><input type="checkbox"/> Disinfect opening & hatch<br><input type="checkbox"/> Gloves<br><input type="checkbox"/> Breathing apparatus<br><input type="checkbox"/> Respirator<br><input type="checkbox"/> Eye protection |
| <input checked="" type="checkbox"/> Working in unvented/closed space | <input type="checkbox"/> Low oxygen<br><input type="checkbox"/> Flammable gases<br><input type="checkbox"/> H2S gas<br><input checked="" type="checkbox"/> Paint or chemical fumes | <input checked="" type="checkbox"/> Gas test atmosphere before entering space<br><input checked="" type="checkbox"/> Constant gas monitoring<br><input checked="" type="checkbox"/> Mechanically ventilate space<br><input checked="" type="checkbox"/> Breathing apparatus<br><input checked="" type="checkbox"/> Respirator                                                                                                                                                                                                         |
| <input type="checkbox"/> Biological hazards                          | <input type="checkbox"/> Infection                                                                                                                                                 | <input type="checkbox"/> Flush & disinfect space before entry<br><input type="checkbox"/> Regular use of disinfectant in space & on equipment<br><input type="checkbox"/> Mechanically ventilate space<br><input type="checkbox"/> Clean & disinfect tools before exit<br><input type="checkbox"/> Breathing apparatus<br><input type="checkbox"/> Respirator<br><input type="checkbox"/> Chemical proof suit<br><input type="checkbox"/> Gloves                                                                                      |









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## Emergency Rescue Plan

| Extraction Equipment List |   |
|---------------------------|---|
| Harness                   | X |
| 2-way communication       | X |
| Mobile Phone              | X |
| Respirator                | Y |
| Breathing Apparatus       | X |
| Rescue Winch/Pulley       | X |
| Chemical Suit             |   |
| 1st Aid Kit               | Y |

| Emergency Names & Contacts |                     |
|----------------------------|---------------------|
| 1st Aid                    | Andy 0418 419 356   |
| Rescue                     | Andrew 0417 01570   |
| Standby                    | Hollen 0428 693 890 |
| Site Contact/Reception     | 85727800            |
| Project Manager            | Wes 0416 253 157    |
| Emergency                  | 000                 |

If entrant is unresponsive in Confined Space, the standby person shall:

|                                  |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| External Extraction Possible     |   | <ul style="list-style-type: none"><li>• Check atmosphere</li><li>• Check ventilation is working</li><li>• Perform external extraction</li><li>• Call 1st aid &amp; 000</li><li>• Advise Site Office/Reception &amp; Project Manager where to send emergency services</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| External Extraction NOT Possible | X | <ul style="list-style-type: none"><li>• Call Rescue &amp; 1st Aid by radio or phone</li><li>• Re-check atmosphere</li><li>• Check ventilation is working</li><li>• Standby person to brief Rescue &amp; 1st Aid personnel of situation</li><li>• Rescue entrant to don harness, spreader bar and BA if required.</li><li>• Standby person to attach rescue winch or pulley to the rescuers harness</li><li>• 1<sup>st</sup> aider to call 000, Site Office/Reception and Project Manager, advising them of the situation and what location</li></ul> <p><i>(If the 1<sup>st</sup> aider has not arrived then the Standby person will start to make these calls)</i></p> <ul style="list-style-type: none"><li>• Advise other standbys operating permits under rescue personnels control to remove their entrants.</li><li>• Standby person and 1<sup>st</sup> aider to assist rescue personnel with entering the confined space</li><li>• Rescuer to find entrant and assess his condition</li><li>• Attach spreader bar and winch / pulley to entrants' harness</li><li>• Instruct Standby person to start operating the winch under guidance from Rescue</li><li>• Once entrant is out, 1st Aid Officer to administer CPR/First aid if necessary</li></ul> |
| Post Rescue Tasks                | X | <p>Standby to close space and permit</p> <p>Preserve scene for investigation.</p> <p>Complete incident report, give copy to head contractor.</p> <p>Contact Worksafe when possible.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Rescue Plan Read & Understood |          |  |
|-------------------------------|----------|--|
| Rescue:                       | A Tuckey |  |
| Rescue:                       |          |  |
| Standby:                      | Hollen   |  |
| Standby:                      |          |  |
| Standby:                      |          |  |
| Standby:                      |          |  |