

## Safe Work Instruction - Use of Cranes as Personal Attachment Points for Confined Space Entry

**DO NOT use this plant\* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator**

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process. Additional training may be required for high risk plant. Site and task may change required PPE.

### PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Long and loose hair must be contained or covered.



Foot protection must be worn



Safety harness must be worn



Hand protection must be worn



High visibility clothing must worn



Head protection must be worn

### POTENTIAL HAZARDS AND RISKS

- i Slip, Trips, Falls**  
Slip, trip, fall due to uneven or slippery work surfaces
- i Manual Task Injury**  
Manual task injury from incorrect manual handling techniques

- i Explosion**  
Explosion of gases, vapours or liquids
- i Other**  
Injury due to fall from heights  
Injury due to plant malfunction or misuse  
Load shifting

### PRE-OPERATIONAL SAFETY CHECKS

- ✓ Ensure one of the work crew is first aid certified and have a complete first aid kit present
- ✓ Ensure to inspect crane logbook
- ✓ Complete site specific risk assessment
- ✓ Complete the appropriate pre-operational plant checklist
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ Ensure work area is secured and sign posted to prevent unauthorised entry
- ✓ All workers in the work area shall be aware of their specific duties
- ✓ Operator of the vehicle loading crane shall have evidence of their competency to operate the unit (High Risk Work Licence)

### OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area
- ✓ The employee is attached to crane personnel attachment point (provided by the crane manufacturer as a separate point other than the normal hook) the individual using this is not to weigh more than 105 kg
- ✓ Only one person is to be attached to crane personnel attachment point
- ✓ On entering and exiting the work area, sufficient rope is to be paid out (a small amount – no more

- than 100 mm) on the personnel winch to prevent the employee being raised or lowered by it
- ✓ When entering or exiting a well that is provided with steps, ladder rungs or other stable material where footing can be safely made
- ✓ In areas where safe footing is not available (wells) an individual can be secured by a personnel winch provided a secondary safety line is used of a similar capacity (SWL) as the crane set up required above. This is to be secured at a separate attachment point from the crane structure; the attachment point is to be determined by a competent person
- ✓ The secondary safety line is to be kept with no more than 100mm slack in it
- ✓ When any load shifting is to take place, no worker shall be attached to the crane, or be in the well beneath the load

**Note: Any emergency retrieval using crane to lift a patient is only to be considered when:**

- **An unobstructed path to the surface is present**
- **The ascent path is near vertical**
- **Direct communication with the crane operator is possible**
- **Only a single patient is to be lifted at a time**
- **The supervisor and associated support (ambulance/fire brigade/police) are agreed that the lift can be accomplished safely**

### ENDING OPERATIONS

- ✓ On completion of work all equipment is to be

correctly stowed and the permit to enter is to be signed off after the area or well is secured

- ✓ Councils workshop is to carry out scheduled maintenance required for the crane by the manufacturer or supplier of the unit
- ✓ Ensure to report any defects/problems with equipment or work environment to your supervisor promptly

**DO NOT**

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor
- ✗ Do not smoke while doing this class of work
- ✗ Do not attach any other personnel or equipment to the personnel winch line while it is being used
- ✗ Do not carry out any modifications on the cranes structure or mountings (this includes transferring the crane from one chassis to another)
- ✗ Do not leave plant running unattended
- ✗ Do not leave keys in machinery whilst unattended
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

**\*Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.**