



reducing geotechnical uncertainty

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GENERAL PROJECT WORKPLACE SAFETY AND METHOD STATEMENT

Insitu Geotech Services Pty. Ltd. (IGS) is a specialist Geotechnical Testing Company operating two purpose-built Static Cone Rigs. The testing performed is in general accordance with Australian Standards (AS 1289.6.5.1-1999 - Soil Strength And Consolidation Tests – Determination Of The Static Cone Penetration Resistance Of A Soil – Field Test Using A Mechanical And Electrical Cone Or Friction-Cone Penetrometer).

This Standard outlines the necessary equipment and the method to collect relevant test data.

The following table identifies possible hazards we would encounter during our normal testing activities.

| ACTIVITIES / HAZARDS | POTENTIAL INJURIES | RISK RATING | MEASURES |
|--|--|-------------|--|
| Setting up | Cuts, bruises, splinters, crushed fingers. | M | Take care while handling timber to avoid splinters. Keep hands and feet away from timber and jack 'feet' while jacks are in motion. |
| Traversing | Possible rollover | L | Care when travelling through rough terrain and up and down slopes, considering overall vehicle weight and balance. Watch for pedestrian and traffic hazards. |
| Probing Process Pinches | Cuts, bruises, crushed fingers. | M | Hands not located on the mast when the head is travelling. Or on the rod-guide box while it is being lowered. |
| Manual Lifting | Possible back injury. | M | Manual Lifting should only be carried out using appropriate procedures: i.e. correctly position feet, ensure you have taken correct hold of load, bend knees, Keep back straight, Keep arms close to body. Note: When setting down a load the reverse of this procedure should be applied. |
| Winch & Winch Cable | Cuts, bruises, splinters. | L | Appropriate shackles and ropes / chains are to be used. Personnel will stand clear while winch is operating. Care with wire ropes to avoid metal splinters. |
| <i>Risk Factor Terminology: L = Low Risk M = Medium Risk H = High Risk</i> | | | |

| ACTIVITIES / HAZARDS | POTENTIAL INJURIES | RISK RATING | MEASURES |
|--|--------------------|-------------|---|
| Hydraulic system Hoses blowing off. | Cuts, bruises. | L | Good quality hoses to be used and secured with appropriate connectors. |
| Compressed air Hoses blowing off | Cuts, bruises. | L | Ensure all fittings are tightly secured. |
| Heat | Heat exhaustion | L | Adequate supplies of fresh drinking water will be available. |
| Sunburn | Sunburn | M | Wearing of long sleeves and long pants where appropriate (bear in mind heat exhaustion). Supply of sun block lotion kept on rig, |
| Use of Hiab Crane | Various Risk | L | Take care when operating Hiab Crane, attaching hooks and lifting/swinging weights from trailer to vehicle. Be wary of pedestrians and other risks. |
| Loading and Unloading | Various Risks | L | Use personnel to guide direction of rig on and off trailer. Caution when affixing hold down chains and tensioning lashing caps. No tensioning of lashing caps with personnel in front. Secure all chains and lashing caps with tie wires and/or shackles when travelling. Ensure leg stands are secured with chain ends. Secure all loose items on trailer. |
| General Safety | General Safety | | For all operations IGS personnel will consider the safety of self and others. |
| <i>Risk Factor Terminology: L = Low Risk M = Medium Risk H = High Risk</i> | | | |

If we all consider the possible hazards of each operation and take appropriate preventative measures, the risk of injury will be greatly reduced. Please carry out each task with the safety of everybody 'on board', associated trade personnel and the general public in mind.

| HAZARDOUS MATERIALS | | | |
|---------------------|---------------------|------------------------------|------|
| Item | Use | Detail | MSDS |
| Diesel | Transporter and Rig | Motive Power | No |
| Hydraulic Fluid | Rig Hydraulics | Motive and Operational Power | No |
| ULP 2 Stroke | Rig Generator | 240 VAC Power | No |
| Glycerol BP | Cone Saturation | Used for Pore Pressure | Yes |

IN CASE OF ACCIDENT, THE FOLLOWING PROCEDURE WILL BE FOLLOWED:

- (a) Evaluate the situation
- (b) Identify the nature and the severity of the accident
- (c) If medical help is required call the local ambulance service, number below.
- (d) For all other assistance call 000
- (e) Stay in communication for however long is necessary
- (f) If safe, remove the hazard causing the accident
- (g) Do not move the victim(s)
- (h) Provide first aid
- (i) Direct any help to the place of the accident
- (j) Notify Site Safety officer (if existent), number below.
- (k) Notify Allan McConnell 0417-748-669
- (l) Notify Client contact, number below.

SITE SPECIFIC INFORMATION

SITE :

CLIENT CONTACT:

SITE SAFETY OFFICER:

NO OF EMPLOYEES ON RIG:

NOTES:

| Signed | Date |
|--------|------|
| | |