

## Risk Assessment

### RA103 - Mobilisation / Demobilisation of Piling Rig in Yard: Tracking Rig on/off low loader



ABI Equipment Ltd	Creation Date: 06/08/2018
Mobilisation / Demobilisation of Piling Rig in Yard: Tracking Rig on/off low loader	

Main Hazards are:	
Collision with staff or workshop personnel during loading / unloading.	Injury to personnel during loading unloading of rig or accessories.
Contact with overhead obstacles.	Slipping / sliding of plant or accessories during offloading.
Damage to underground services or road surface.	Collision with site traffic during the loading/off-loading movement in yard
Standing up piling attachment from transport position for Rigging operation	Toppling / Overturning of piling attachments
Mechanical failure/breakdown of equipment	Spillage of hydraulic oil installing hoses
Persons / Property affected	
All Employees	General Public
Visitors	

Assessment of Risk:	Severity	3	X	Likelihood	3	= Risk	9
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Control Measures already in Place	PPE Required
1. Rigs must only be operated by certified (CPCS) experienced operators, with a banksman in attendance.	Safety helmets <input checked="" type="checkbox"/>
2. Ensure no overhead services/obstacles are in the location of the loading/unloading area.	Hi-Vis Jackets <input checked="" type="checkbox"/>
3. Ensure surface protection is in place where hard standing is at risk of being damaged.	Safety footwear <input checked="" type="checkbox"/>
4. Ensure adequate pedestrian management is in place.	Eye protection <input type="checkbox"/>
5. When mounting / de-mounting the low loader the transport driver is in full control of the operation, including the installation and removal of securing chains.	Dust masks <input type="checkbox"/>
6. Position plant in an agreed location clear of any obstructions overhead or buried, and clear of access drive or other working areas.	Ear plugs <input type="checkbox"/>
7. Ensure mast is only erected under the supervision of a qualified banksman.	Earmuffs <input type="checkbox"/>
8. Ensure other staff and personnel are kept away from the rigging area.	Gloves <input type="checkbox"/>
9. Piling attachments must be positioned on a stable level platform away from other traffic for installation on the rig leader mast.	Protective overalls <input checked="" type="checkbox"/>
10. Guides and slides must be aligned with the aid of a banksman. Security pins must be installed immediately after installation or before removal of the hydraulic pins.	Gauntlets <input type="checkbox"/>
11. Hydraulic connections must be made in line with the manufacturers operating handbook, ensuring suitable PPE is worn.	Harnesses <input checked="" type="checkbox"/>
	Breathing apparatus <input type="checkbox"/>
	Face masks <input type="checkbox"/>

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Additional Controls required	PPE/Equipment
The employee must be adequately trained and competent to operate a piling rig.	All personnel MUST wear the appropriate level of PPE for the

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	activity they are involved with or area they are in.
Newly trained staff should be supervised until a suitable level of competency has been achieved.	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Derek Shale	06/08/2018
Updated by	Ash Soliman	04/10/2024
Review by:	Ash Soliman	04/10/2024

RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task <b>must not</b> proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

Version Number	RA103-1024-2.0
Document location	M:\Health & Safety\Risk Assessments
Prepared by	Cathy Sheehan
Reviewed by	Ash Soliman
Next review Date	October 2027