

Risk Assessment

RA108 - Movement of Piling Rigs & Plant in the Yard



ABI Equipment Ltd	Creation Date: 03/07/2019
Movement of Piling Rigs & Plant in the Yard	Tracking around yard, slewing, raising & lowering the mast, attaching and un-attaching accessories

Main Hazards are:	
Collision with people, buildings or equipment	Collision with buildings or other equipment
Contact with overhead obstacles.	Standing up piling attachment.
Damage to underground services or road surface	Toppling / Overturning of piling attachments
Contact with overhead obstacles	Contact with other moving plant
Persons / Property affected	
Workshop employees	Visitors
Other employees	

Assessment of Risk:	Severity	4	X	Likelihood	4	= Risk	16
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Control Measures already in Place	PPE Required
1. Rigs must only be operated by certified (CPCS) experienced operators.	Safety helmets <input checked="" type="checkbox"/>
2. Banksman must have received specific Banksman / Traffic Marshall training.	Hi-Vis Jackets <input checked="" type="checkbox"/>
3. Plan and discuss intended operation and areas involved.	Safety footwear <input checked="" type="checkbox"/>
4. All operatives involved, receive briefing before work commences.	Eye protection <input type="checkbox"/>
5. Ensure no overhead services/obstacles are in the location of the moving plant.	Dust masks <input type="checkbox"/>
6. Ensure surface protection is in place where hard standing is at risk of being damaged, especially around services or unknown areas.	Ear plugs <input type="checkbox"/>
7. Ensure adequate pedestrian management is in place.	Earmuffs <input type="checkbox"/>
8. Only one banksman controlling the whole operation, identified before work begins. Identified by coloured hard hat	Gloves <input checked="" type="checkbox"/>
9. No use of mobile phones while equipment is moving.	Protective overalls <input type="checkbox"/>
10. Position plant in an agreed location clear of any obstructions overhead or buried, and clear of access drive or other working areas.	Gauntlets <input type="checkbox"/>
11. Ensure yard is clear of parked van/vehicles before commencing operation.	Harnesses <input type="checkbox"/>
12. Advise other operatives / staff that rig movements are taking place and implement exclusion zone in yard. No access to yard for office staff while plant movements or lifting operations are taking place.	Breathing apparatus <input type="checkbox"/>
13. Piling attachments must be positioned on a stable level platform away from other traffic.	Face Masks <input type="checkbox"/>
14. 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.	
15. Hydraulic connections must be made in line with the manufacturers operating handbook, ensuring suitable PPE is worn.	

Assessment of Risk:	Severity	4	X	Likelihood	2	= Risk	8
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Additional Controls required	PPE/Equipment
All Workshop staff to have slinger/banksman training	
Rig movement to be stopped if the Rig Operator loses eye contact with the banksman	
Rig movement to be stopped if there is other plant movement or unauthorised personnel	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Derek Shale	03/07/2020
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 must not 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.

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