

Risk Assessment

RA104 - Unloading a Rig from a Low Loader



ABI Equipment Ltd	Creation Date: 17/08/2020
Unloading a Rig from a Low Loader	

Main Hazards are:	
Through squeezing when standing in the Danger Area.	Through human misbehaviour and carelessness.
Danger of injury and damage due to hydraulic and mechanical components being overstressed if mast folded in its extended position. Spraying liquids under pressure.	Through slipping on wet and muddy ground.
Injury from falling loads, collisions, and unexpected movements.	Falling from height
Danger of injury and damage due loss of stability and the Piling rig tipping over if not correctly placed in transport position.	
Persons / Property affected	
All Employees	General Public
Rig Operator	Slinger/Spotter
Other Personnel on Site	Low-loader Driver
Employees unaware loading is taking place	Unauthorised People on Site
Visitors	

Assessment of Risk:	Severity	5	X	Likelihood	4	= Risk	20
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Control Measures already in Place	PPE Required	
1. Control measures as per RA100 General use of Piling Rig and Vibro.	Safety helmets	<input checked="" type="checkbox"/>
2. The driver of the low loader is responsible for the loading of the rig. He needs to ensure all personnel are in the correct position and that the rig is positioned correctly on his vehicle.	Hi-Vis Jackets	<input checked="" type="checkbox"/>
	Safety footwear	<input checked="" type="checkbox"/>
3. Sling/Spotter or Service technician to maintain visual contact with Operator at all times during the unloading procedure.	Eye protection	<input type="checkbox"/>
	Dust masks	<input type="checkbox"/>
4. The Rig must be unloaded with the mast in the folding down position.	Ear plugs	<input type="checkbox"/>
5. Suitable PPE to be worn at all times.	Earmuffs	<input type="checkbox"/>
6. Low loader to be positioned in correct position before unloading starts.	Gloves	<input checked="" type="checkbox"/>
7. All personnel to know the location of the emergency stop buttons.	Protective overalls	<input checked="" type="checkbox"/>
8. Only trained personnel should drive the piling rig off of the low loader.	Gauntlets	<input type="checkbox"/>
	Harnesses	<input type="checkbox"/>
9. The rig should be unloaded under the direction of the low loader driver.	Breathing apparatus	<input type="checkbox"/>
	Face masks	<input type="checkbox"/>

Assessment of Risk:	Severity	2	X	Likelihood	2	= Risk	4
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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 activity they are involved with or area they are in.

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Newly trained staff should be supervised until a suitable level of competency has been achieved.	
At least two people should be present when unloading and moving the Piling Rig and Vibro: The Operator and Slinger/Spotter.	
All personnel on site should be made aware of the safe systems of work. The Operator and Supervisor must read and understand the ABI Operators Manual.	

Assessment of Risk:	Severity	2	X	Likelihood	2	= Risk	4
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Approval and Review		
Prepared by:	Cathy Sheehan	14/01/2022
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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Prepared by	Cathy Sheehan
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