

Project Title:	Use of chain-blocks and pulleys during lifting	Risk Assessment No:	FLT-RA10							
Task/Activity:	Use of Chain-Blocks & Pulleys	Project No:	10							
No. of Persons Involved:	10	Date Prepared:	02-2020							
		Overall Risk Rating	MEDIUM RISK							
HAZARDS		Likelihood	Severity	Risk Rating						
Ref:	Key hazards associated with the above task / activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity
		3	2	1	5	4	3	2	1	
1	People standing too close to the operating radius			X	X					5
2	Loads lifted over personnel			X	X					5
3	Overturning machine and losing the load			X	X					5
4	Chain not secured properly			X	X					5
5	Poor weather conditions		X			X				8
6										
7										
8										
Risk Assessment Scores		10> High Risk		5 – 9> Medium Risk			1 – 4> Low Risk			

Combined Risk Evaluation = **5.6 Medium Risk**
 (Combined Score divided by No. of Hazards:- 28/5 = 5.6)

PERSONS AFFECTED					PPE REQUIREMENTS						
Operatives	x	Members of Public		Site Visitors	x	Harness & Lanyard		Hi-Viz Clothing	x	Respiratory Protection	
Other Workers	x	Managers	x	Young Persons		Hearing Protection		Eye Protection	x	Head Protection	x
Other People	x					Gloves	x	Safety Footwear	x	Tool-Tether-Belt	

Likelihood (L)		Severity (S)					Risk Rating	Action
		1	2	3	4	5		
3	3	3	6	9	12	15	High Risk	Stop the task/activity until controls can be put into place to reduce the risk to an acceptable level
2	2	2	4	6	8	10	Medium Risk	Determine if further safety precautions are required to reduce risk to as low as is reasonably practicable
1	1	1	2	3	4	5	Low Risk	No further action, keep under review

Risk Assessor	Graham Barker	Name / job title:	Partner/engineer
Details of any persons consulted			

ADDITIONAL CONTROL MEASURES	
Information / Instruction / Training	Managerial Controls
<p>All operatives to be made aware of the risks and ensure adequate supervision is provided and that control hazards associated with working at height and to specific measures remain valid for the duration of the work and be instructed in the contents of the method statement and/or safe system work.</p> <p>All workers to be provided with training in safe manual handling techniques</p> <p>Train all operatives to use, and understand the need for appropriate PPE, as and when required;.</p> <ul style="list-style-type: none"> • Hard Hat (EN 397:2012) • Safety Glasses (EN 166:2001) • Safety Goggles (EN 166:2001) • Ear defenders – Overhead type (EN 352-1:2002) • Ear defenders – Plug type (EN 352-2:2002) • Gloves (EN 388:2003) Cut res-1 • Safety Footwear (EN 20345:2004) • Hi-Vis Vest (EN 20471:2013) 	<p>Ensure adequate supervision is provided and that control measures remain valid for the duration of the work</p> <p>Ensure Only Authorised and Trained Operatives carry out lifting operations, ie, Crane Drivers, Operators of Lifting Machines/Appliances, Banksmen and Supervisors.</p> <p>Training to be recorded.</p> <p>Personnel involved in the slinging of loads and use of lifting equipment will be required to be trained.</p> <p>Supervisors will be trained in the supervision of lifting operations.</p> <p>All Operatives on site to have sufficient Training in PPE.</p>
Physical Controls	Procedural Controls
<p>Ensure that all chain blocks & pulley equipment and associated attachments are adequately maintained.</p> <p>When handling any large material & equipment, assistance must be supplied by more trained personnel.</p> <p>Ensure safe storage area, free from obstruction at all times so as not to cause slips, trips and falls.</p> <p>All Operatives to wear PPE, ie, Eye, Ear, Foot, Hand, Head protection and to ensure no loose clothing.</p> <p>Check that there is no risk of injury to other personnel within the operating area.</p> <p>All items of lifting equipment will be identified individually and stored so as to prevent physical damage or deterioration.</p> <p>Safe working loads of lifting equipment will be established before use.</p> <p>Packing will be used to protect slings from sharp edges on the load.</p> <p>All items of lifting equipment will be visually examined for signs of damage before use.</p> <p>Swinging of the load will be checked by ensuring the eyes of strops are directly below the appliance hook, and that tail ropes are fitted to control larger loads.</p>	<p>A full method statement and/or safe system of work must be prepared prior to the commencement of any works.</p> <p>Arrangements for carrying out of statutory inspections and keeping of records will be made.</p> <p>Only lifting equipment which is in date for statutory examination will be used.</p> <p>Manufacturer's instructions will be checked to ensure that methods of sling attachment and slinging arrangements generally are correct.</p> <p>Before selecting lifting equipment, the above Standards will be considered together with the weight, size, shape and centre of gravity of the load.</p> <p>Lifting equipment is subject to the planned maintenance programme.</p> <p>If any work at height is to take place outside, then works shall not be permitted to take place during periods of adverse weather such as in strong winds or wet weather.</p>

HSE & Other Guidance	Comments
<ul style="list-style-type: none">• Provision and Use of Work Equipment Regulations 1998 and ACOP L22.• Lifting Equipment and Lifting Operations Regulations 1998 and HSE ACOP —L113 British Standards:• BS 6166: Part 3: 1988 - Guide to selection and use of lifting slings for multi purposes• BS 6210: 1983 - Code of Practice for the safe use of wire rope slings for general purposes	See other specific assessments if using lifting equipment.

Specific Site Assessment Details	Site Comments
<p>On each site and each location, the generic assessment that follows must be reviewed to ensure that all 'site-specific' significant hazards and their risks are identified and controlled. Completion of this part of the document will ensure that your assessment is both appropriate and complete.</p>	
<p>FREQUENCY AND DURATION OF ACTIVITY:</p> <p>ANY ADDITIONAL SPECIFIC HAZARDS IDENTIFIED:</p> <p>ANY ADDITIONAL CONTROL MEASURES REQUIRED:</p> <p>ASSESS THE REMAINING RISKS USING GRID ABOVE: Low / Medium / High</p> <p>SERIOUS AND IMMINENT DANGERS IDENTIFIED: Specific Note: The collapse of, the overturning of, or failure of any load bearing part of any lifting machine is reportable as a 'Dangerous Occurrence' under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR).</p> <p>EMERGENCY ACTION REQUIRED:</p> <p>IF YES, WHAT ACTION</p> <p>EMERGENCY TELEPHONE NUMBER(S)</p> <p>NAMES OF COMPETENT PERSON(S) APPOINTED TO TAKE ACTION:</p>	<p>Job Specific</p> <p>Fingers or hand are amputated or crushed between shifting loads or straps: - when loading are being set up - when lifting</p> <p>Carry should be taken at all times to safe guide against any possible injuries, when lifting or lowering the loads.</p> <p>Medium</p> <p>Amputation or Crushing.</p> <p>Contact member of Management staff. Contact Site first aider for assessment.</p> <p>Yes</p> <p>999</p> <p>Colin Dunmill (First Aider) Alex Dunmill (First Aider) Steve Baker (Fire Warden) Joanna Dunmill (Partner/ Manager) Graham Barker (Partner/Engineer/Fire Warden)</p>

Any Other Statements or additional assessment:	Site Comments
Any lifting where the manufacturer's or other recognised slinging method cannot be used	A specific assessment will be carried out before the task is undertaken, and only completed if the task is demand safe.

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