

Lifting Operations.

| No | Activity | Hazard | Person(s) in Danger | Control Measures | Residual Risk Rating |
|----|---|---|--|--|----------------------|
| 15 | Work activities involving the use of mechanical lifting devices | <p>Lifting Operations</p> <p>Risks of contact with / loss of load being lifted, Overloading of cranes, Crushing and trapping.</p> <p>Ground cannot support the weight of the lifting equipment.</p> | Employees Contractors Public Visitors | <ul style="list-style-type: none"> A Safe System of Work must be in place for all lifting operations. Complex lifts must be controlled through the use of a Permit to Work (PTW) and lifting plan. <p>Contract Lift:</p> <ul style="list-style-type: none"> External contractors must be checked for the appropriate documents e.g. Lift plan, risk assessments, method statements and competencies to be checked by a competent person before works start. Nominate Appointed Person(s) (Slinger / Banks man / Lift Supervisor). must be present. <p>Non-Contract Lift:</p> <ul style="list-style-type: none"> A trained and competent Appointed Person must manage the lift and provide the above paperwork. Guidance available (Managing Lifting Operations). Plan and risk assess all lifts. <p>All Lifting Operations:</p> <ul style="list-style-type: none"> Remove non-relevant person(s) from designated lifting area and erect Warning signs. <p>Lifting Accessories:</p> <ul style="list-style-type: none"> All lifting equipment must be fit for purpose and marked to indicate Safe Working Load (SWL); positioned to minimise any risks; used safely; subject to on-going thorough examination and inspection by competent persons. <p>Unstable lifting equipment:</p> <ul style="list-style-type: none"> Improve the stability of lifting equipment by using the below methods: | Low |

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| 15 | Work activities involving the use of mechanical lifting devices | <p>Shock load on Lifting Equipment and accessories.</p> <p>Trial Lift and Swinging loads.</p> <p>Damaged / Faulty Equipment.</p> | Employees Contractors Public Visitors | <ul style="list-style-type: none"> Design a suitable base on which to position the Lifting Equipment. Using an anchorage system and counterbalancing weights; and Using ballast, outriggers or stabilisers. <p>Shock load on Lifting Equipment:</p> <ul style="list-style-type: none"> Take the load gently and avoid shock loads. Take similar action when lowering loads. <p>Trial Lift and Swinging loads:</p> <ul style="list-style-type: none"> Lift the load clear of the ground ensuring it is level and secure. If not lower it, reposition the lifting gear and try again Avoid swinging loads For larger loads have tag lines attached and use a banksman to help guide loads <p>Damaged / Faulty Equipment:</p> <ul style="list-style-type: none"> Report faults or defects to Supervisor or Manager Do not use lifting equipment or accessories until repaired or replaced Trained / competent lifting supervisor to oversee the operation and brief those involved. Access to the work area during lifting operations restricted to authorised lifting team only. Prevent third party access to area with barriers / signage. No standing under raised loads. Ensure materials being lifted are properly slung and secure. | Low |

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| 15 | Work activities involving the use of mechanical lifting devices | Obstruction on the route. Statutory examinations not completed. | Employees Contractors Public Visitors | <p>Obstructions on the route:</p> <ul style="list-style-type: none"> Plan the route of the lift ensuring it is free of obstacles. Where the person carrying out the lift cannot visually see the route a banks man/slinger must be in attendance. <p>Statutory Examinations:</p> <ul style="list-style-type: none"> Competent user must check the condition of equipment before each use, including test and inspection dates. Competent user must check and record each week. External inspections must be carried out six-monthly for equipment used for lifting people and accessories such as chains and hooks. Annually for lifting equipment, e.g. cranes, HIAB, JCB. Excavators must not be used to carry out a vertical lifting operation unless it has a designated lifting point and is marked to indicate a safe working load. The operation is planned, permit controlled, and operators are competent. | Low |