CRANE USE

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| **PCBU Address:** Lot 3, Redlynch Connector Road, Redlynch 4870  **Job Title:**  **Site Address:** | | | | **Date:**  **Page:** 1 of 3 **SWMS No:** 04 | | **New**  **Revised** |
| **Principal:** | | **Supervisor:** Ian Loccisano | | **Approved by:** Ian Loccisano | | |
| **Required Personal Protective Equipment:** High visibility clothing, safety helmet, safety boots | | | | | | |
| TASK | **POTENTIAL HAZARDS** | | **ACTION OR PROCEDURE** | | **RESPONSIBILITY** | |
| Preliminary investigation | Unsuitable crane | | Check crane charts for SWL against operating radii | | Supervisor | |
| Mechanical condition of crane | | Check crane records of inspection & maintenance | | Supervisor | |
| Unsuitable ground/bearing conditions | | Check bridge bearing capacity against crane lift. Bridge load capacity 95t gross & 15.8t maximum axle load | | Supervisor | |
| Difficult access to site | | Check traffic management plan requirements | | Supervisor | |
| Access to site | Conflict with vehicular & pedestrian traffic | | Check traffic management plan requirements & public safety strategy SWMS | | Supervisor | |
| Set up of crane | Excessive working radius | | Consult crane operator on positioning & operating radii checked | | Supervisor | |
| Incorrect foundations | | Check dunnage correctly installed under outriggers (where applicable) | | Crane operator | |
| TASK | **POTENTIAL HAZARDS** | | **ACTION OR PROCEDURE** | | **RESPONSIBILITY** | |
| Lifting by crane | Unsuitable lifting gear | | Chains, slings & hardware checked | | Dogman | |
| Falling objects | | All personnel clear of lift zone, barricade if necessary | | Dogman | |
| Load correctly attached | | Dogman | |
| Crane striking obstructions | | Check for obstructions in lift & slew zone | | Crane operator | |
| Uncontrolled lift | | Use tag lines (16mm rope) | | Dogman | |
| Communication with crane operator | | Dogman | |
| Damage to load | | Use of correct lifting gear e.g. spreader bar, slings at correct angle | | Dogman | |
| Overloading of crane | | Work within crane chart limits & do not override load limiting sensors | | Crane operator | |
| Do not lift during high winds | | Crane operator | |
| All tasks | | Daily periodical monitoring of activity | | Supervisor | |

Risk assessment based on all procedures being in place

**Risk Assessment Matrix**



**Likelihood:** Very unlikely **Consequences:** Minor **Risk score:** 7