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