

Safe Work Instruction - Changing Gate Levels and Cleaning Trash Racks at Bamarang Dam Outlet Tower

DO NOT use this plant* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process. Additional training may be required for high risk plant. Site and task may change required PPE.

PERSONAL PROTECTIVE EQUIPMENT



Safety harness must be worn



Foot protection and spats must be worn



High visibility clothing must be worn



Life jacket must be worn



Hand protection must be worn

POTENTIAL HAZARDS AND RISKS

- Manual Task Injury**
Manual task injury from incorrect manual handling techniques
- Other**
Drowning
Injury due to fall from heights
- Slip, Trips, Falls**
Slip, trip, fall due to uneven or slippery work surfaces

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Isolate intruder and bird screecher alarm via the telemetry system
- ✓ Obtain the key to the crane control switch, the pendant control for the crane, a mobile phone, a mobile phone for emergency communications, two safety harnesses, two retractable lanyards and two anchorage devices
- ✓ **Refer to and follow all requirements of the "Working from Boats" SWI7**
- ✓ Complete site specific risk assessment
- ✓ Complete visual plant check prior to operation
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines

OPERATING PROCEDURES

- ✓ Attach a lanyard to the bow and load the boat with all of the necessary equipment (safety harnesses, retractable lanyards, anchorage devices etc.)
- ✓ Disconnect the trailer lights and remove the boat tie down straps
- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area
- ✓ With the boat secured, using the lanyard and an observer, launch the boat
- ✓ Board the boat and make way to the Outlet Tower
- ✓ Secure boat to the Outlet Tower and disembark
- ✓ Unload all necessary equipment for the task to be carried out
- ✓ Connect crane control pendant and turn on crane power via keyed switch

- ✓ Operate the crane in all directions and speeds as an operational test before continuing with the task of changing gate levels or cleaning trash racks. If any problems with its operation are experienced, arrange for the electricians to do a check of the crane control panel before continuing
- ✓ **Insert removable anchorage devices and fit harnesses and retractable inertia type lanyards before removing any platform grates**
- ✓ Open and secure trash rack/gate access grates
- ✓ Attach the lifting frame to the crane hook and remove the trash racks or level shutters one by one for cleaning or level adjustment.
- ✓ If cleaning, all trash racks should be cleaned prior to stowage into the storage compartment.
- ✓ If adjusting the draw off level of the Dam, the shutters and shutter spaces should be shuffled between the storage compartment and the platform storage rack

ENDING OPERATIONS

- ✓ Ensure to store the lifting frame in the trash racks or shuttle level compartments
- ✓ Ensure to close and secure trash rack/gate access grates

DO NOT

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor
- ✗ Do not leave plant running unattended
- ✗ Do not leave keys in machinery whilst unattended
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

*Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.

