

**GOSFORD SAILING CLUB  
CRANE SAFE WORKING PROCEDURE  
ETCHELLS FLEET**

The lifting of any boat must at all times be under the control of an authorised member of the Gosford Sailing Club who has undergone an induction briefing on the safe operation of the equipment.

The authorised operator shall assess the wind strength and direction, the state of the tide and any other pertinent factors before proceeding with the lifting operation.

The authorised operator shall also determine the number of personnel required to safely carry out the lifting operation. It is recommended that a minimum of 3 persons assist:-

- 1) Bow line
- 2) Keel control and stern line if required.
- 3) Crane control and stern.

**NO PERSON IS TO BE IN THE BOAT DURING THE LIFTING OPERATION.**

**ONLY AUTHORISED PERSONS ARE TO BE IN THE OPERATING AREA  
DURING THE LIFTING OPERATION.**

**PROCEDURE FOR LAUNCHING AND RETRIEVING.**

- 1) Clear wharf prior to moving cradle to lifting position.
- 2) Cradle to be correctly positioned and chocked in position.
- 3) Boom and other equipment to be clear of lifting position.
- 4) Only slings provided by Gosford Sailing Club may be used.
- 5) Condition of slings to be checked prior to use.
- 6) Attach slings to lifting lugs with long sling towards the bow. Take up slack and check that slings and shackles are correctly aligned and free of interference.
- 7) Once the slack has been taken up on the slings attach both spinnaker sheets to the large link at the head of the slings.
- 8) Retract tweakers completely and then tension spinnaker sheets to minimise lateral tilt of the boat during the lifting operation
- 9) Bow and stern ropes to be firmly attached and free of knots and tangles.
- 10) Close off access to wharf in both directions. Only persons assisting with lift to be in lifting area.
- 11) Once the operator has confirmed that it is safe to proceed the lift is to be carried out as quickly as safety permits.
- 12) Wharf access to remain closed until boat is afloat, following launching, or secured on cradle, following retrieval.

Following completion of lifting activities the crane is to be slewed to align with the walkway. The crane control is to be turned off and the control box locked.

Greg Eddy  
Gosford Etchells Feet Captain  
(17<sup>th</sup> September 2008)

## **GOSFORD SAILING CLUB CRANE OPERATING SYSTEM**

There are two controllers for the crane:

- 1) Isolating Switch
- 2) Pendant controller

The isolating switch controls all power to the crane and must be turned off when all lifting operations are completed.

The pendant control has buttons for:

- a) Turning the power on and off
- b) Activating the chain block
- c) Activating the slew motor

The power off button (red) shuts off all power to the crane motors until the power on button is pressed.

**NOTE: If the power has been turned off with either the button or the switch then the up button for the hoist will not operate when power is returned. The hoist must first be lowered fractionally to reset the limit switches before the up button becomes effective.**

The hoist buttons for up and down travel are two stage switches. Depress halfway for slow speed and fully depress for maximum speed.

The slew motor is single speed and the buttons are very sensitive to pressure.

### PROCEDURE IN THE EVENT OF FAILURE OF SLEW MOTOR

- 1) Isolate all power to the crane
- 2) Attach bow and stern lines to secure anchorage points to prevent crane jib from swinging.
- 3) Secure a ladder to the pivot point of the crane.
- 4) Remove the 4 bolts attaching the torque arm to jib. (18mm ring spanners required)
- 5) Remove ladder.
- 6) Restore power.
- 7) Complete lifting operation using manual slewing.