

# RECENT PROJECTS

## Kincumber STP – Replacement of RAS Pumps

Contract Value: \$344,400

Final Value: \$455,944

Client: Gosford City Council

Client Contact: Lisle Butler



The construction of the replacement RAS pumps was carried out on behalf of Gosford City Council in two stages through the first half of 2013.

The project brief was for replacement of the existing Archimedean screw pumps with new Archimedean screw pumps. The new direct drive gearbox and motor installation was to be installed on the existing plinth, thereby eliminating the need for any major civil works.

All electrical works including switchboards, VSD's and instrumentation was carried out by Gosford City Council.

This project posed numerous risks and challenges including:

- The existing RAS channels had to remain in operation at all times. Live isolations were required along with working at low-flow periods
- The RAS Pump Station was located in a 6m deep wet well which required working at heights and also in confined spaces
- The new equipment had to be designed based on in-situ site measurements and old drawings. This meant that redundancy was built into the design to enable minor changes to be made on site.

