

# RECENT PROJECTS

## CONSTRUCTION OF RAYMOND TERRACE WWTW STAGE 2/3 UPGRADE

Contract Value: \$10,254,275

Client: Hunter Water Corporation



The combined stage 2/3 upgrade of the Raymond Terrace WWTW was undertaken between January 2009 and April 2010 in order to increase the capacity of the existing plant and to improve the effluent quality.

The upgrade included construction of various pump stations, a 23m diameter clarifier, an aerobic digestion aeration system, additional surface aerators, a septage receival facility, repairs to the existing inlet works and a new administration building.

The sandy ground conditions at the site meant that a complex system of sheet piles and dewatering sumps were required for the construction of the clarifier and the aerobic digestion tank.

Another challenging factor was the requirement to keep the plant at maximum operational capacity at all times throughout the upgrade. This meant that a special "dry box" was required to undertake live cut-ins in tanks up to 4m below water level.

Overall the project was completed on budget and approximately 2 months ahead of schedule.

