



About the Balance Tank Upgrade

At this particular client site, the waste water is generated and is treated on site at the effluent treatment plant (ETP).

After treatment, the effluent is discharged to sewer under a consent to discharge trade effluent agreement with removed contaminants being removed from site as sludge cake.

An essential part of the treatment process is the balancing of the waste water at the front end of the ETP to ensure the treatability of the effluent.

This is currently achieved using a single balancing tank with an operating capacity of 330m³. The current equipment is approaching the end of its design life and our client are planning to install a 650m³ tank alongside a 330m³ quarantine tank, where non-compliant effluent can be stored and then blended into the ETP at a controlled rate.



**Tankering costs
reduced by 50%**



More efficient process

**With water shortages
plaguing the world, water
scarcity has become one
of the largest threats
facing society today.**

Governments have begun to develop new products and technologies to mitigate its effects on the world. Such projects and technologies include rainwater harvesting, water location transfers, desalination, and wastewater treatment

As these wastewater plants age and wear, how can you be sure they are working as efficiently as possible to maintain performance, maximise output, reduce maintenance and downtime?



DPS & Seepex

- A Powerful Combination -

As distributors of pumping and treatment products to the water, wastewater, agriculture and industrial sectors, DPS has been a supply partner to many companies for over thirty years.

Our supply agreements with global-best-in-class manufacturers allow us to offer premium level pumping, blended with mixing excellence and cutting-edge macerators with full factory backup.

Our pricing structure allows us to offer a full supply, installation and service solution for complete project delivery at no commercial disadvantage to you, our customer, for total confidence and seamless support.

Industry Expertise

- ▶ Sole distributors for a number of market leading pump brands
- ▶ Sole distributors for mechanical screening and sludge handling equipment
- ▶ Our experienced team has the ability to make the product meet your every need

Design

Industry leading knowledge to help aid with the design processes through a highly qualified and industry award winning team

Relationships

- › Supplier relationships of industry products
- › Bringing contractors together to make the project run smoothly
- › Industry relationships through years of experience and commercial success

MCC

- › Factory testing provided by R&R
- › After installation on site and power connected, the MCC will be tested again

Training Plan

DPS will provide sufficient training to personnel to enable them to correctly and safely operate and after installation on site and power connected, the MCC will be tested

Project Scope

- › DPS began this project by firstly covering the balance tank in a GRP Tweed cover. This allowed Regal Processors to still have access to the hatches for the pumps and aerators removal.
- › Odour pipework was routed to the aeration tank, where an aerator was installed and connected to this odour pipe.
- › When the aerator operates it will draw odorous air from the balance tank and injects it into the aeration tank.
- › This both removes the odour and aerates the aeration tank. A temporary control panel was installed to control the aerator on a timed basis.

