

CLIENT:

Smith's Food Group

LOCATION:

Tingalpa, QLD

SERVICE:

Waste Water re-use

CAPACITY:

1.3ML/d

ISSUES:

Limited Space, variable loads, odour sensitivities due to close neighbours

SOLUTIONS:

DAF and BIOPAQ®IC

BENEFITS:

Substantial decrease in Trade Waste, Potable water savings by using purified treated water

PRODUCT:

BIOPAQ®IC
Trojan® UV

COMPLETION DATE:

July 2011

CONTACT:

David Leinster

Smith's Wastewater Treatment Plant

The Smith's Food Group contracted Aquatec Maxcon to design and construct a 1.3ML/d wastewater reuse plant on their production site at Tingalpa, QLD.

The plant had an existing screen and oil & gas trap and a heavily overloaded MBBR. To alleviate the plant loading, a DAF and a BIOPAQ®IC were added as well as Ultra Filtration and Reverse Osmosis membranes, Ultra Violet and Chlorine Dosing to bring the water up to better than potable water standard for non-direct food contact reuse in the factory. The UF and RO were designed and built by Aquatec Maxcon

Equipment:

- Balance Tank
- Primary DAF
- Pre-acid Tank
- Mix Tank
- Anaerobic Reactor (BIOPAC® IC)
- Odour Treatment
- MF + RO
- Treated Water Tank
- UV

