

Project Summary

**CLIENT:**

Brisbane Water

LOCATION:

Enoggera, Queensland

SERVICE:

Water Treatment

CAPACITY:

6.0 ML/d

CONTACT:

Mohsen Mobarghei

ISSUES:

As part of Brisbane Water emergency drought management measures, supplementary water supply sources were sought.

SOLUTIONS:

Upgrade and bring the existing Enoggera WTP (previously DAF/slow sand filtration technology) back into service

BENEFITS:

Supplementary supply of high quality drinking water to consumers.

PRODUCT:

DAF upgrade and automation, pressure filter station, chemical dosing, disinfection and waste handling equipment.

COMPLETION DATE:

December 2008

Enoggera Water Treatment Plant Upgrade

As part of the BCAA Alliance, Aquatec Maxcon provided all civil, mechanical and electrical/control works for the complete upgrade of the Enoggera Water Treatment Plant, comprising the following main elements:

- Pre treatment chemical dosing systems for caustic soda, alum and polymer (coagulant aid)
- Dissolved air flotation (DAF) upgrade equipment including float skimmers, float spray bars, recycle pumping, air saturation and dispersion equipment
- Flow balance tank and filter feed pumps
- Pressure filtration equipment (self backwashing design) including automated control valving and monitoring instrumentation.
- Post treatment chemical dosing including post caustic soda and chloramination (disinfection).
- Treated water storage tank and pump station to Brisbane Water water mains.
- Wastewater handling system including washwater holding tank and transfer facilities.
- Electrical and control works complete.



PRESSURE FILTER STATION