CASE STUDY

PROJECT	**POTABLE WATER FOR CAMPGROUND**
PRODUCT	Ultrafiltration (UF)
INDUSTRY	Tourism and Leisure
LOCATION	New South Wales

mak water
water | wastewater | sewage

BACKGROUND

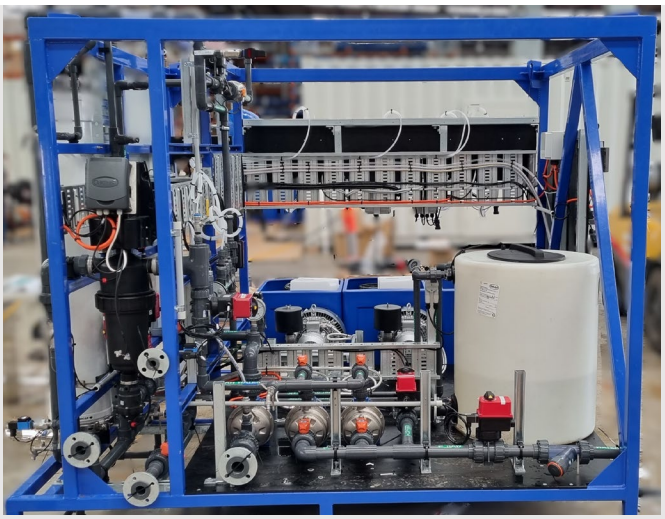
A remote campground required portable water in accordance with ADWG from a river source to service the increase in visitors to the park. The plant needed to provide safe and reliable potable water, handle fluctuations in river water quality, have built in redundancy, be fully automated and require minimumal operator input, and have remote monitoring capabilities.

MAK Water was selected through a tender process, based on meeting all the specifications for design, manufacturing, installation, commissioning, support and routine maintenance.

SOLUTION

Ultrafiltration (UF) plant capable of producing 60 kL/day of potable water from raw river water with up to 75 NTU turbidity.

UF plant undergoing FAT in workshop



Plant undergoing FAT in workshop

MAK WATER KEY SOLUTIONS

- UV dosing and recirculated hypochlotire dosing for disinfection to exceed WSSA's recommended pathogen LRVs & provide redundancy through multi-barrier approach
- Fully automated Clean-in-place (CIP) system with self cleaning screen filter
- Duty/standby feed pumps and air scour blowers
- Raw and filtrate turbidity analysers to protect UF membranes and ensure water quality
- ClearAccess™ for remote monitoring with PLC UPS for power monitoring and alarming
- Skid mounted to fit into existing treatment shed
- 24/7 technical support with local routine maintenance

RESULTS AND BENEFITS

- **Turnkey solution.** Custom design, manufacture, delivery, installation, and commissioning package.
- **Lowest total operating cost.** Fully automated plant requiring minimal operator input
- **Compliance.** Potable water meets ADWG values and exceeds WSSA's recommended pathogen LRV.
- **Reliability.** Built-in redundancy with remote monitoring and alarming for reliable water in remote location.