

CASE STUDY



CUSTOMER NATIONAL PARKS & WILDLIFE SERVICES
LOCATION CATTAI NATIONAL PARK, NSW
PROJECT RIVER WATER TREATMENT SYSTEM FOR DRINKING/SOWERING
USING CLEARMAKE ELECTROPURE™ TECHNOLOGY

BACKGROUND

The National Parks and Wildlife Services needed to replace an existing filtration system in the Cattai National Park with a cost effective, low maintenance and reliable system. Reliability was important as the system was being used to treat local river water for drinking and showering by visitors to the park. It also needed to be highly effective as the park is located downstream from the Penrith and Windsor sewage treatment plants. The major contaminants to be removed were soil, organics and colour.



SOLUTION

A Clearmake Electropure™ treatment system was installed. The system manages volumes of up to 20,000 l per day and costs less than 80c per 1,000 l to operate.

The solution is low maintenance, chemical free and provided a more cost effective option compared with more traditional treatment technologies. It was also considerably more compact, allowing it to be installed between existing equipment.

“When you’re dealing with chemicals there is a high chance of human error. (With Electropure) the staff at the park don’t need to get involved with it; they just record the water quality.”



BENEFIT

- Cost effective solution (capital and operational expenses)
- Reliable output water quality for drinking with minimal operator involvement
- Chemical free operation

Test Results	Raw Water	Treated Water
TSS (mg/l)	300	9
Colour (Pt-Co units)	30	3
COD (mg/l)	50	nd
Phosphorus (mg/l)	0.37	nd
Faecal coliforms (cells/100ml)	200	nd

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