

CASE STUDY



CUSTOMER **RANDWICK CITY COUNCIL**
LOCATION **RANDWICK, NSW**
PROJECT **COUNCIL VEHICLE WASH DOWN TREATMENT & RECYCLING SYSTEM**
USING CLEARMAKE ELECTROPURE™ TECHNOLOGY

BACKGROUND

Randwick City Council required a low maintenance and effective system to treat wash down water used for cleaning garbage trucks, street sweepers, beach cleaners and other Council vehicles. Due to the varying contaminants (including high pathogen cell counts), the Council's previous system had not been reliable in its treatment so wash down water could not safely be discharged to the sewer system.



SOLUTION

A Clearmake Electropure™ treatment system was installed. The system manages volumes of up to 4,000 l per day and costs less than \$1 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.

Prior to the installation, Council had employed a full time operator to look after the waste water treatment plant. Post the install, labour requirements were reduced to about one hour a week and use of potable water reduced by 80%.



BENEFIT

- Cost effective solution (capital and operational expenses)
- Reliable output water quality with minimal operator involvement
- Reduced potable water consumption by 80%
- Reduction in labour requirement from 38 hours to 1 hour per week

Test Results	Raw Water	Treated Water
TSS (mg/l)	860	14
Grease (mg/l)	150	< 3
Faecal coliforms (cells/100ml)	210 000	140 before chlorination {<2 after}

21 Project Ave
Noosaville Q 4566

P 07 5455 6822
F 07 5455 6833

E info@clearmake.com.au
www.clearmake.com.au

www.clearmake.com.au



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