

CASE STUDY

PROJECT

CLIENT

➤ RIVIERA MARINE

LOCATION

➤ COOMERA, QLD

PROJECT

➤ WATER HARVESTING,
TREATMENT & RECYCLING
PLANT

MORE INFORMATION

Please visit

www.clearmake.com.au

or call 1800 700 267

SOLUTION



OVERVIEW

As part of the expansion of its facility, Riviera needed to establish a new vessel maintenance area. The operational, development and regulatory requirements for the project included eliminating reliance on town water, maximising on-site water harvesting and reuse, identifying and capturing hydrocarbon spills and preventing hardstand pollution from entering the local waterways.



BENEFITS

- Planning approval to expand the site was granted as a result of water efficiency and environmental protection measures included in the design
- Elimination of the use of potable town water for vessel wash down
- Protection of the adjacent river from wash down water volumes and contaminants

Clearmake was selected to design, manufacture and commission a water harvesting and recycling system for the new facility, working in partnership with Dennis Cairns and Associates (Hydraulic Engineers) and Riviera. The solution components included:

Clearmake Water Recycling System

Capable of treating up to 5,000L/h of wash down water, this system removes silt, oil, grease and heavy metals from the water, then filters and disinfects it to ensure the water is safe to reuse for vessel wash down.

Clearmake First Flush Diversion and Spill Control System

This system collects the first flush from the hardstand and directs it to the recycling system for treatment. Clean stormwater is allowed to flow to the river adjacent to the hardstand. The spill control system identifies and contains any hydrocarbon spills preventing them from entering the river.

Clearmake Rain Water Harvesting System

To make the site water self sufficient a rainwater harvesting system was included to harvest water from the hardstand area and local roof areas, treat it and use it to top up the system.

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