

# CASE STUDY

## PROJECT

### CLIENT

➤ DEPARTMENT OF DEFENCE

### LOCATION

➤ ENOGGERA, QLD

### PROJECT

➤ CENTRAL VEHICLE WASH  
DOWN FACILITY

## MORE INFORMATION

Please visit

[www.clearmake.com.au](http://www.clearmake.com.au)

or call 1800 700 267

## OVERVIEW

To maximise the efficiency of wash down operations at the Enoggera Barracks, the Department of Defence decided to consolidate 18 vehicle and equipment wash down stations into one facility. Key operational goals for the project included minimising town water consumption, reducing load on the sewerage system and ensuring all relevant environmental and OH&S requirements were met.



## BENEFITS

- Consolidation of 18 wash down points to one central facility
- Elimination of the use of potable town water for vehicle wash down
- Protection of the sewer and storm water systems from wash down water volumes and contaminants
- Protection of the environment from distribution of weeds, seeds and pests by Defence equipment and vehicles

## SOLUTION

Clearmake was selected to design, manufacture, install and commission a water recycling system for the new consolidated facility, working in partnership with GHD consulting engineers and the Department of Defence. The system is flexible enough to wash as little as a single vehicle per day through to more than 200 large vehicles per day. The solution components included:

### Clearmake Water Recycling System

The recycling system is capable of treating up to 80,000 l per hour of wash down water. This system removes silt, oil and grease from the water, filters and disinfects the water making it safe to reuse for vehicle wash down.

### Clearmake Rain Water Harvesting System

To make the site water self sufficient and account for evaporation and carry over water losses, a rain water harvesting system was included to harvest water from the hardstand area, treat it and use it to top up the system.

21 Project Ave  
Noosaville Q 4566

P 07 5455 6822  
F 07 5455 6833

E [info@clearmake.com.au](mailto:info@clearmake.com.au)  
[www.clearmake.com.au](http://www.clearmake.com.au)