

CASE STUDY

PROJECT

CLIENT

➤ WILLIAM MCCORMACK PLACE

LOCATION

➤ CAIRNS, QLD

PROJECT

➤ GREY WATER REUSE SYSTEM



MORE INFORMATION

Please visit

www.clearmake.com.au

or call 1800 700 267

OVERVIEW

William McCormack Place (Stage 2) is the first 6-star Green Star building in Australia outside of a capital city and is the first 6-star building in Australia. WMP 2 provides high quality 'A' grade office space with minimal environmental impact, comprising of a 9-storey office building, associated car parking, bicycle parking and infrastructure services. The building procurement and design process was focused on achieving the highest standards of environmental sustainability.

To maximise water efficiency of WMP 2 a grey water reuse system was selected. This system harvests grey water from the buildings 43 wash basins, 7 showers, 59 floor drains and 22 air conditioning units and treats it to a standard suitable for below ground irrigation of gardens and lawns. This approach minimises potable town water use and sewer discharge volumes.



BENEFITS

- 6 Star Green rating achieved
- Elimination of the use of potable town water for irrigation
- Significant reduction in sewer discharge volume from site

SOLUTION

Clearmake was selected to design, manufacture and commission a grey water treatment system for the new building, working with Gilboy Hydraulic Solutions, Lang O'Rourke and QLD Government Project Services. The solution components included:

Clearmake Grey Water Treatment System

The system is capable of treating up to 7,000 L/h of grey water for reuse. This system removes suspended solids, biological components, oil and grease ensuring it is safe for reuse for irrigation.



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