CASE STUDY

PROJECT WASH BAY WASTEWATER & FIRST FLUSH RECYCLING FOR REGIONAL COUNCIL

PRODUCT Gravity Clarification and Storm Water Diversion

INDUSTRY Infrastructure and Urban Development

LOCATION Aldoga, Queensland

mak water
water | wastewater | sewage

BACKGROUND

To help reduce the spread of weeds, a regional council in northern Queensland has built a wash down facility to help people remove weed seeds, soil and other foreign matter from their vehicles and machines. As potable water supply in the region is already under stress a key driver for this project was to recycle the wastewater created by the wash bay, so the council's consultant engaged MAK Water to design and construct a suitable wash bay water recycling plant.

SOLUTION

MAK Water's Clearmake™ first flush diversion and water recycling system was selected for the new wash bay. Working in partnership with the consultant and the construction company, the solution components included:

Water recycling system capable of treating 5,000 litres per hour of wash water

WATER RECYCLING SYSTEM

- Capable of treating 5,000 litres per hour of wash water
- Removes silt, seeds, weeds and pests
- Tertiary filtration and disinfection for reuse back into the wash bay

FIRST FLUSH DIVRSION SYSTEM

- The first flush diversion system collects the first flush from the wash bay and directs it to the recycling system for treatment.
- Clean storm water is allowed to flow to the local stormwater system.

Wash bay water recycling plant on site in Aldoga, QLD

REMOTE MONITORING VIA CLEARACCESS

- Remotely view and operate the plant on your PC, smartphone or tablet
- Real time observation of process data, such as flow rates, pressure and alarm conditions / status messages

RESULTS AND BENEFITS

- Lower Operating Costs: Minimal use of potable town water for wash down.
- Environmental Protection: Protection of the environment from potential imported seeds, weeds and pests.