

Client Category: Turf Industry Machinery Wash Water Recycling System

Location: Coffs Harbour Golf Club

Scope of Project: SAS Water Solutions supplied, installed and provided the civil design of a double wash bay, single chemical mix and load bay, awnings, bunding and recycling system incorporating the RGF - Washmaster 18 (WM18) with Grass Screen, Anaerobic Tank, Grass Catcher. The WM18 has been designed to meet the demanding needs of turf applications such as golf courses and clubs.

Detailed description: Double wash bay supplied by two (2) 1" High Volume hoses. Compressed air blow off prior to wash bay. Grated trench for gross solids removal, grass screen and catcher for fines removal prior to feeding recycle system.

Single self contained chemical mix and load bay with recovery system, eye wash, shower and rain water supply.

Entire facility is roofed and bunded with zero discharge to the environment.

Through the use of mechanical, biological and a chemical disinfection system, the WashMaster 18 is able to deliver wash water suitable for sewer discharge, irrigation and as in this case, reuse.

The WM18 is an all in one skid mounted system including:

- Biological
- Mechanical filtration
- Oxidation (Ozone and Chlorine) & UV - Disinfection
- Integrated 2000L Storage and pressurised supply

Influent: RGF WM18 capable of processing 80 litres per minute of contaminated wash water and continually supplying wash down hoses.

Features / Benefits:

- Zero discharge - closed loop operation.
- All wetted parts are non-ferrous.
- Programmable automatic back flushing system.
- All filters and separators contain oil & solids purge system to extend the fibre life and reduce maintenance.
- Local pressure gauges and control panel.
- Compact small footprint.
- Aerobic biological treatment utilising SAS ComBact (Complex Bacteria) Treatment .
- Air lift sludge return to aerobic digester.
- Low maintenance, requires limited attendance.
- Reduced town water usage & discharge costs.
- Local technical backup and service capabilities.

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