

CLEAN DRY GRIT FOR SUBIACO WWTP WITH HUBER GRIT WASHING TECHNOLOGY

CASE STUDY



THE CLIENT

Subiaco WWTP located in Perth recently underwent an upgrade of the plant's inlet works system.

OVERVIEW

Part of the upgrade included a new grit washing and dewatering facility—Hydroflux Epco were contracted to supply three HUBER RoSF4 Grit Washers.

The technology has been operating in Australian sewage treatment plants since 2003, and locally in Western Australia since 2008.

The key to the HUBER RoSF4 technology is the final dryness that the unit delivers. The associated volume reduction and hence, transport costs, is significantly reduced.

HUBER invented the concept of the fluid bed grit washer in the early 1990's. Since then, over 2000 units have been delivered to sewage treatment plants around the world.

Whilst many competitors have copied the design, none can match the performance due to HUBER's extensive technical and design knowledge gained through co-operation with leading German Universities and hundreds of site references.

All wetted parts are manufactured from 316L stainless steel and pickled in an acid bath for 14 hours.

There are four sizes of RoSF4 units to suit treatment plants of any capacity.

Item	Value
No. of Units	3
Capacity Per Unit	32 L/s
Solids Capacity	120—1200 kg/h
Grit Dryness	90%DS
Grit Residual Organics	<3%
Materials	316LSS

