

WATEREX

NEWSLETTER

July/August
2015

Roy Hill Commissioning

Waterex is due to commission the Oily Water Separator for Roy Hill.

This sophisticated high performance separator uses flotation and lamella technologies in a 2 stage process, an approach demanded by the application. The flotation system controls bubble size for optimum performance whilst the lamella array using cross-flow technology agglomerates oily globules to realise a homogenous float. Despite this apparent complexity the plant is simple to operate, easy to maintain and reliable.



Excellence in Solids Liquid Separation Worldwide

KCGM— Carbon Filters

Waterex has had a long history in using carbon to remove mercury and other contaminants from liquid process streams.

This project however is unique for us in that we were asked to look at removing mercury from gas. This presented some challenges because there are a number of safety requirements that are particular to gas systems. In addition to ensure the carbon was maintained in an active state, temperature control plus a safety deluge system was built into the filter design.

To meet process criteria, plus control running costs, the pressure drop across the filter bed had to be minimal. A pressure controller monitors performance.

The plant also incorporates a modular media to facilitate the rapid change out of carbon so minimising downtime during maintenance shut-down, so maximising production time.

Waterex delivered this system on time and on budget.



WATEREX
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