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HYDROFLUX ENGAGED TO DESIGN WASTEWATER TREATMENT PLANT FOR NEW WA ABATTOIR.



The first abattoir to operate in Western Australia's far north for 22 years will be opening early 2016.

The Kimberley Meat Company abattoir, located between Broome and Derby, will process 300 cattle a day when it opens in April.



Main abattoir building under construction

Owner Mr Burton said "the facility was good news for the northern WA beef industry and getting a situation where we can process them locally is excellent."

An estimated 300 kL of wastewater per day will be generated by the abattoir when in full production.

Hydroflux were engaged to design and construct the wastewater treatment plant and the treated wastewater will irrigated onto nearby land.

The overall process involves treatment of the red and green streams firstly by removing solids in a 1mm in

channel HUBER rotary screen. Wastewater is then pumped from a small buffer tank to a Hydroflux Hy-DAF HD35 at a variable rate to minimise the residence time and maximise the nitrogen removal efficiency.

The HD20 system is manufactured from stainless steel with a unique counter current scraping system to maximise sludge dryness. The fully enclosed guarding system allows cleaning to be conducted without the possibility of water spray on surrounding equipment.



A HUBER in channel dewatering screen installed at the head of the treatment plant

The treated wastewater flows into facultative ponds prior to irrigation.

Hydroflux Industrial is a business dedicated to providing high quality wastewater technology and processes to Australian businesses

Level 26, 44 Market Street, Sydney, NSW 2000
www.hydrofluxindustrial.com.au
 e: info@hydroflux.com.au

t: 1300 417 697

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DESIGN AND CONSTRUCTION OF ALL ASPECTS OF PRIMARY AND SECONDARY BIOLOGICAL TREATMENT AND REUSE

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