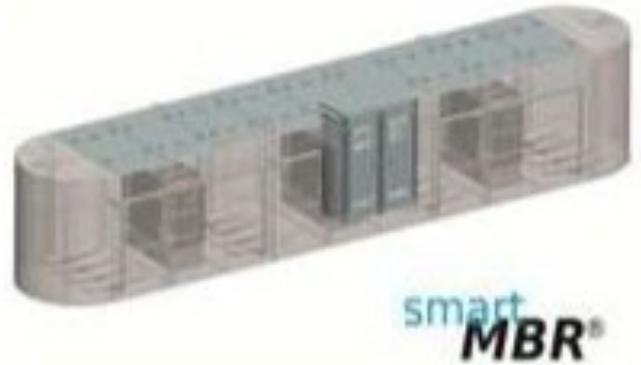




## HUBER SMARTMBR FOR US DECENTRALISED APPLICATION



Le Roy High school has around 830 students and 60 teachers. It produces approximately 19,000 US gallons/day wastewater (72m<sup>3</sup>/day). Currently the school treats the wastewater through a fixed bed activated sludge secondary treatment system with final chlorination. The treated wastewater is then discharged to an adjacent stream.

However, to reduce the environmental impact on the stream new environmental regulations are being implemented on 1st July. These require a big reduction in suspended solids being discharged and a removal of the chlorination system.

Local consulting engineers McFadden Engineering were commissioned to engineer a solution for the wastewater system, so the new environmental criteria can be met. They concluded that MBR would be the appropriate technology. McFadden Engineering had seen the HUBER smartMBR model on display at IFAT 2012, and thought this would be a perfect system to serve the school.

In January, public bids were invited to provide the MBR system for Le Roy High School. HUBER USA (in conjunction with the Alabama State local representatives 'Pump & Process') were successful in securing the order to supply 1x smartMBR size 75, which provides a treatment capacity of 75m<sup>3</sup>/day.

The unit is scheduled to be delivered to site by 1st June, providing 4 weeks for connection, start-up and biomass stabilization before the new discharge limits come into effect.

### Facts about HUBER smartMBR

The innovative solution for green buildings treats conventional wastewater to produce clean, odour free and safe recycled water. It is characterized by easy installation and operation. The system comes pre-assembled, so site work is quick and easy. Also it is small enough to fit inside buildings. The simple controls systems together with HUBER's high build quality and technical standards ensure reliable and trouble-free operation. HUBER smartMBR systems come in 6 standard sizes, ranging in daily treatment capacity from 10 m<sup>3</sup>/day to 75 m<sup>3</sup>/day



Hydroflux Epco is a business dedicated to providing world leading wastewater technology and processes to Australian Water Authorities and Councils.

Level 26, 44 Market Street, Sydney, NSW 2000  
[www.hydrofluxepco.com.au](http://www.hydrofluxepco.com.au)  
 e: [info@hydrofluxepco.com.au](mailto:info@hydrofluxepco.com.au)

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