

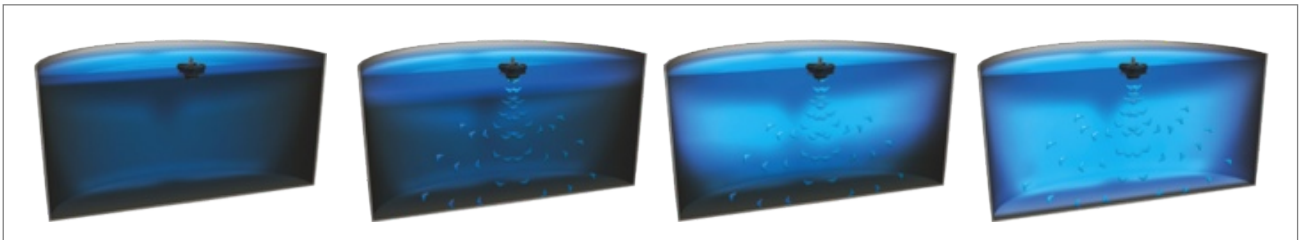
20th September 2011

Gurney Environmental, WEARS Australia and South West Water Collaborate on Potable Reservoir Trial

Gurney Environmental has installed an innovative ResMix unit in one of South West Water's drinking water storage reservoirs near Plymouth.

The 400 DWI, a completely new model ResMix unit, was designed and manufactured by WEARS Australia and installed at the request of South West Water. The technology has a proven track record, when applied to impoundment reservoir "Source Management" but this is the first ResMix unit solely designed to maintain quality in treated water reservoirs.

South West Water want to evaluate the benefits of mixing potable water reservoirs and, in particular, the effect mixing has on residual chlorine decay with the goal of improving water quality and acceptability as well as reducing operation costs.



The ResMix 400 draws water from the surface and, using only a tiny amount of electricity, directs it to the bottom promoting uniform conditions throughout the reservoir.

The ResMix system takes water from the surface and circulates it down to the bottom of the reservoir – making it unique compared with alternatives – and does so with a tiny energy input. This circulation is most efficient at maintaining a uniform distribution of chlorine throughout the reservoir, eliminating aged water, stagnation, stratification and short circuiting – all of which ensures the potable water is maintained in excellent quality.

To meet South West Water's requirements, the ResMix 400 DWI has been designed using proprietary electronics to operate without an oil filled gearbox and is manufactured using all DWI approved materials. The unit is small enough to fit through a 600 mm x 600 mm hatch and floats on the surface of the reservoir making it simple to install in all but a few potable reservoirs.

Chris Rockey, Science and Water Quality Manager for South West Water said, "It has been very good to work in collaboration with organisations such as Gurney Environmental and WEARS who have an impressive track record in bringing innovative and sustainable technologies to the water industry."

For more information, see: GurneyEnvironmental.com

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