



THIESS PTY LTD

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Dear Hydrosmart,

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As workshop supervisor at Thiess Prominent Hill mine in South Australia, we were looking to find a way to solve a problem in our truck wash down bay.

Recycled reverse osmosis water gets used to spray down and wash the trucks hauling loads of ore, this water gets used many times to wash our vehicles and some of the ore dust itself ends up in the sump along with lots of other organics and would make a thick biological sludge which builds up in the 8m by 8m x 2 m deep sump.

Our biggest problem was bad odours which were hard for workers to live with and the bad smell was not going away no matter what we did. We would refill it but the bad smells would built up again very fast (inside of 2 weeks). We were using high levels of chlorine to try and solve the odour issues, but this was still not helping. Chlorine lowered all healthy biological activity and kept water looking green black and murky with about 18 inches of sludge build up on the bottom, it was smelly to use on the vehicles and would leave behind white salt stains on the trucks.

We put on a Hydrosmart 30 Enhanced Output loop and recirculated the water through the unit without chlorine and in a period of a few weeks the water was showing change to dark red, more the color of the ore being washed off. The sediment on the bottom was not as much sludge but more like just the ore building up. Trucks now don't have as much white stains from salts when they dry, but most importantly our site does not have an odor problem any longer.

It looks as if we found our solution up here which is good, as a simple fix in remote places is a great help, we don't need anything else and the water can be recycled longer with less health or waste problems, so in general it's been a real good outcome, thanks.

Regards

John Donaldson

Workshop Supervisor