

FilterClear™

Industrial Water: Oaklands Farm

Background

Oaklands Farm Eggs Ltd is a well-established family business based in the heart of Shropshire, owned by J A & O Griffiths and Sons. Producing nearly 500 million eggs per year and employing over 100 people, Oaklands Farm now ranks among Europe's elite. Committed to achieving the highest standards in animal welfare, Oaklands Farm were awarded the Health & Welfare Award at the Pig & Poultry Marketing Awards.

To reduce site running costs, rain and surface water are collected in a large lagoon and treated for use as drinking water for the chickens.

The original water treatment system comprised a ceramic membrane filter followed by UV and chlorination, but the membrane filter became quickly blocked when put into service.

Solution

The old membrane filter was replaced by FilterClear, followed by an activated carbon filter to remove colour. The FilterClear system is fully automated and housed within a shipping container.



FilterClear™



A BLUEWATER BIO TECHNOLOGY



Performance

The FilterClear installation at Oaklands Farm allows millions of chickens at the farm to drink a mixture of surface and rain water treated to a high standard to ensure consistent egg production. The farm also has the benefit of power savings associated with decommissioning the ceramic membrane systems.

The installation of the low cost, small footprint FilterClear™ system enabled the farm to eliminate the use of mains water for the chickens' drinking water, and reduce the power consumption on site, saving mains water and providing a return on investment in less than one year.

"FilterClear understood our issues and designed and installed an innovative solution.

The small footprint has allowed us to save valuable space on site and the performance provides our chickens with a consistent quality of water, which has great commercial impact as the egg lay rate can be affected by inconsistent water quality"

Oaklands Spokesperson

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