

CASE STUDY

Clean water treatment for Halal plant

MARKET

Poultry processing

COUNTRY

UK

Challenge

The processing of poultry under Islamic laws requires extensive use of fresh water which presents a major challenge in areas where water is scarce.

Kirton's approach was to reduce the iron and manganese levels in the borewell water to make it suitable for use in production. Kirton designed and installed a chlorination dosing station to help precipitate the iron and manganese out of solution before filtering it out with duplex 25m³/hr Filox R media filters.

The system provides a constant flow of 50m³/hr 24hours a day other than a 10 minute backwash cycle to clear the deposited contaminants from the media surface.

The poultry processor now enjoys greatly reduced mains water cost and an end to the pipe scaling and staining issues. They now have a sustainable cheap water source which is clean enough to use in the processing of poultry for the human food chain.

Solution

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