



Water Technologies & Solutions case study

biocide regime saves significant costs in pasteurizer treatment

challenge

This large brewery in the North West of England with the largest, double deck pasteurizer is being treated with a competitor program at an annual cost of £75,000 (\$148,300).



Double Deck Pasteurizer

SUEZ supplied cooling water treatment, and after successfully gaining boiler water treatment from a main competitor, made an approach regarding the pasteurizer. The main competitor was seen to be trying to increase their treatment regime consisting of two biocides (isothiazolin and DBNPA) and a zinc based inhibitor.

solution

After an extensive baseline data gathering, SUEZ used reference selling (Italian Brewer) and chemical cost reduction to gain commitment for a trial.

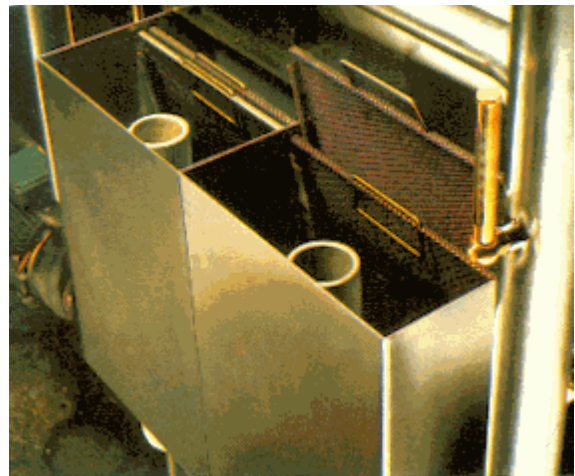
SUEZ proposed an identical treatment approach; a two-biocide program complimented by a zinc inhibitor and control of make-up to pH 7.0 with caustic soda.

results

Plate counts have shown microbial activity at 1×10^5 bacteria/ml. Corrosion rates are at $<5 \text{ mpy}$ and the pump screens have shown no increase in fouling.

Finished cans remain bright and shiny with no evidence of tab and dome staining.

Using a carefully monitored biocide regime and accurate pH control had resulted in a trouble-free operation of the tunnel pasteurizer and significant cost savings for the customer.



Pump screen

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