

Bellacide® 301

improves microbiological control while reducing cost

Bellacide 301 is the best treatment for bacteria, algae and biofilm.



Bellacide 301 in action

Replacing Isothiazolone to correct poor microbiological performance and reduce cooling water treatment costs by 60%.

Eliminated
Legionella

Removed biomass
from cooling tower basin

Stayed algae-free,
even during summer

Challenge

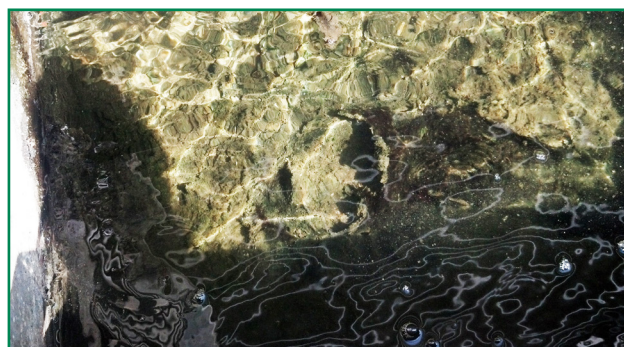
After a year of poor service, a cooling tower at a large southeastern school was covered in algae and a heavy layer of biomass coated its basin floor. Several positive *Legionella* tests added to the problem. The incumbent treatment of 1.5% sothiazolone and stabilized bromine was ineffective and had to be changed.



Algae and biomass when treated with Isothiazolone.

Results

The cooling tower was taken offline and cleaned with bleach before returning to operation under a treatment program of Bellacide 301 and stabilized bromine. Dosing started at 75 ppm, once per week, before dropping to 40 ppm, once per week. Algae and *Legionella* were eliminated and the school spends 60% less on its cooling water treatment.



Treated with Bellacide 301, the system runs clean.

System snapshot

Volume	Cooling	Cycles	Temperature	ΔT	CWT formulation
20,000 gal	500 ton	4	90° F	12° F	5 ppm PBTC, 2 ppm TTA, 10 ppm terpolymer

Our wide selection of biocide chemistry can be tailored for any treatment scenario.

Learn more at www.wateradditives.com

Bellacide® 301

A broad spectrum biocide that is highly synergistic with halogens. Outperforms Isothiazolone, improves microbiological control and reduces total cost of operation.

Bellacide 301 Powerful and cost effective.

Dose in halogenated systems	40-50 ppm
Dose in single biocide systems	120-150 ppm
Activity	5%

Improved health and safety

Treatment	Skin sensitization classification
Bellacide 301	Moderate
Isothiazolone	Extreme



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