

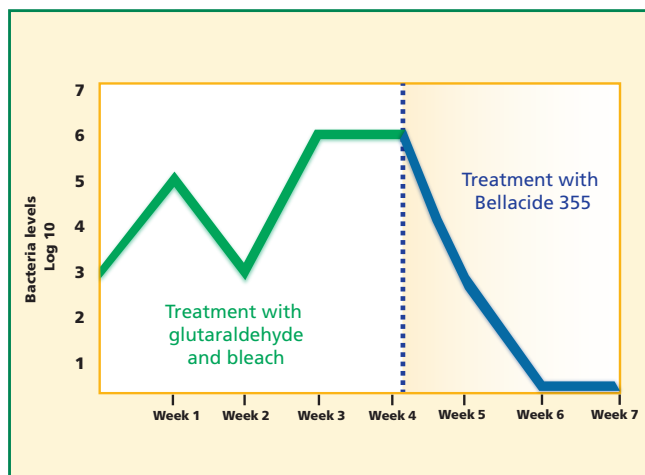
Bellacide® 355

for microbial control in highly fouled systems

Bellacide 355 works across a wide pH and prevents bacteria, biofilm, *Legionella*, algae.

Bellacide 355 in action

Eliminate fouling. Improve heat transfer. Reduce microbiological-induced corrosion.



Reversing microbial activity to regain control of cooling tower operations.

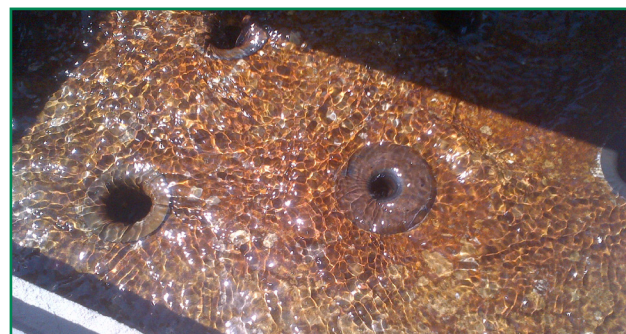
- Reduced bacteria to zero
- Eradicated *L. pseudomonas*, slime-forming bacteria and fungi
- Improved water clarity
- Eliminated need for biocides
- Decreased foaming
- Lowered total cost of operation

Challenge

When a process leak at a large refinery triggered severe microbial fouling, the operators struggled to regain control. High ammonia and sulfides in the cooling water rendered bleach and glutaraldehyde ineffective. Frequent shock treatments of glutaraldehyde and bleach failed to achieve free halogen levels. After four weeks of continued fouling, poor water clarity and odor, the refinery required a better treatment program.



Highly fouled cooling tower basin.



Clean system after treatment with Bellacide 355.

Results

Within 48 hours of adding Bellacide 355, bacteria levels dropped to zero and water clarity improved. *L. pseudomonas* and slime were eliminated. Biocides were no longer required and foaming decreased. Overall microbiological performance improved while total cost of operation decreased.

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

Learn more at www.wateradditives.com

Bellacide® 355

A low-dose biocide that is highly synergistic with halogens. Excellent for cleaning extremely fouled systems.

Bellacide 355 Fast acting. Long lasting.

Dose in halogenated systems	80-120 ppm
Dose in single biocide systems	200-300 ppm
Activity	5%



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