biodx

DECONT-A™

DECONT-A™ product information sheet

DECONT-A™ is a disinfectant enhanced by the addition of a natural anti-microbial compound. It has been specifically formulated for use in the disinfection of industrial waters.

site of application examples

- industrial cooling waters
- effluent water
- sewer effluent
- recovery water

certifications

- SANS 636:2013: 10509/16606
- SANS 1853:2017: 10509/16608
- NRCS Act5GNR 529/263515/040/0827

advantages

- concentrated
- can be used cold
- low-toxicity and non-mutagenic
- non-corrosive to metals
- non-corrosive to surfaces at the prescribed dosage
- cost-effective
- readily biodegradable within 48 hours
- residual activity up to 48 hours after dosing
- contributes towards overall environmental sustainability
- opportunities for goodwill and publicity
- conforms to food grade specifications (SABS)
- controls microbial, mould and yeast levels
- contains no chlorine, ethanol or aldehydes
- metal free (reduces scaling)
- corrosion preventing
- disrupts biofilm

field trials

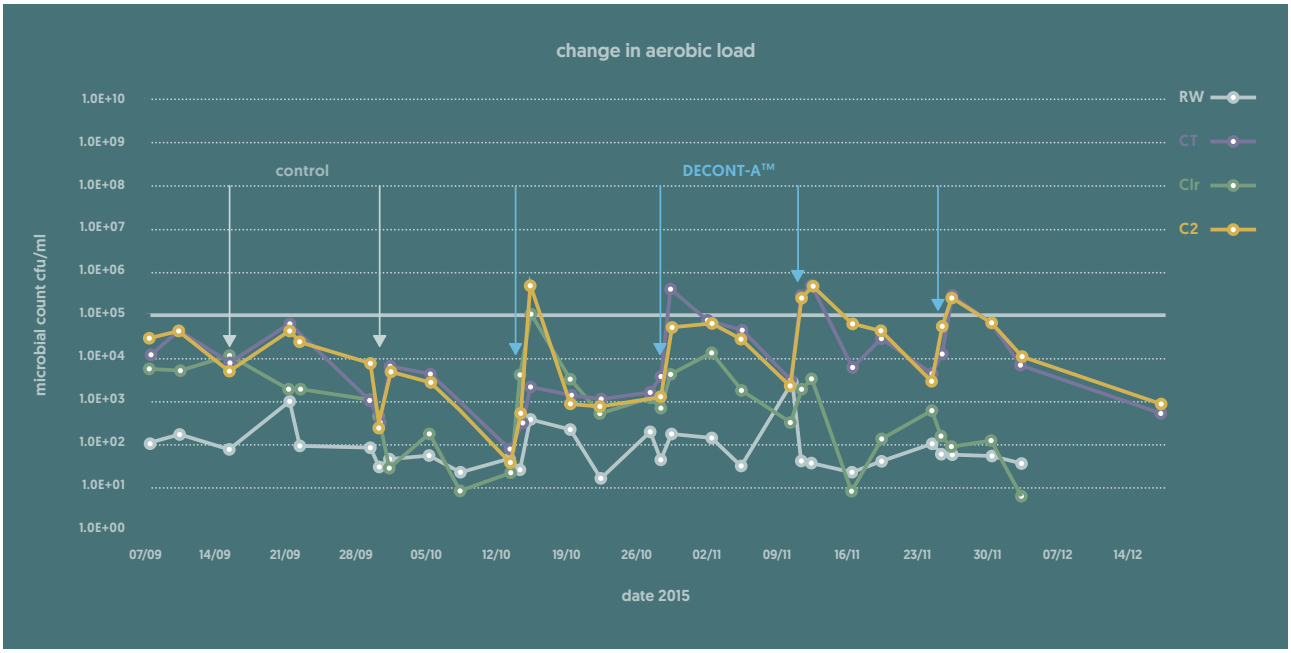
1. industrial cooling water

A field trial was conducted at a site utilizing a large cooling water system – 100 megaliters per day. The graph shows the change in aerobic bacterial load with each dosing event, measured at four sampling points.

DECONT-A™ dosing is indicated under the heading "DECONT-A™" in the graph below.

The trial provided the following results:

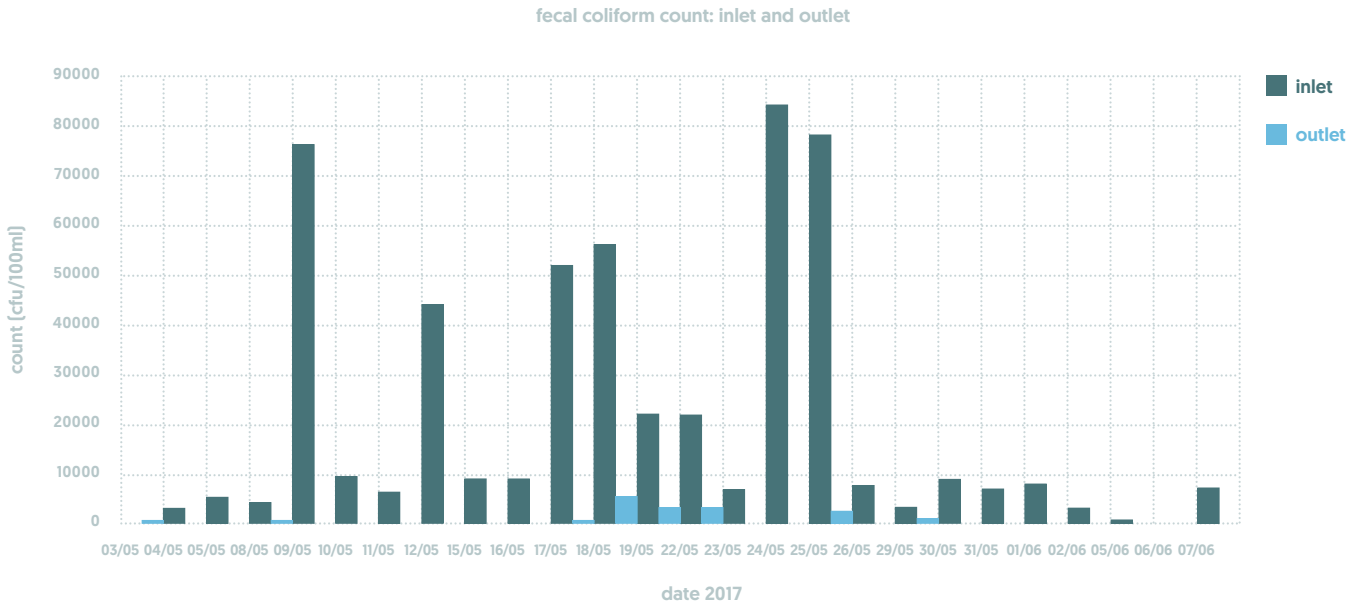
- The performance was equal to or better than the alternative disinfectant, marked as "control".
- The increase in bacterial count shortly after dosing indicates that DECONT-A™ disrupts the biofilm, releasing bacteria into the water
- Subsequently the bacteria are destroyed by the disinfectant
- Even at low dosing levels legionella bacterial levels were effectively controlled



2. sewer effluent

A trial was conducted to establish the efficacy of DECONT-A™ as a disinfectant to reduce the faecal coliform count in the water discharged out of the maturation pond to under 60 cfu/100ml.

The accompanying graph shows the reduction of faecal coliform count from the inlet to the outlet of the maturation pond.



*Field trial results: please contact Biodx directly for further information.