



## Case Study: Duration Brewery

# Great Beer, Clean Rivers: Resolving Wastewater Challenges

### Overview

Duration Brewery, a small-scale brewery located in Norfolk, faced a pressing issue of inconsistent wastewater quality.

Failing to address this problem could result in severe fines and the potential pollution of local waterways.

### The Challenge

Duration Brewery, being a small company with limited resources, required a fast, affordable and effective solution to stabilise pH levels, reduce solids, and bring down Biochemical Oxygen Demand (BOD) to acceptable limits.

### Solution

To address the brewery's wastewater challenges, ABS was engaged to assess the situation and execute a trial of ALGAEZAP that would ensure a return to compliant discharge standards. The process involved the application of ALGAEZAP to the pump station wet well, making it a simple and efficient solution.

ALGAEZAP is a powder-based solution that removes the algae-causing nutrients from bodies of water, preventing algae from forming.

Duration Brewery is now using the solution in bioblock form, which is a solid formation of the product that is suspended in the wet well taking longer to break down, reducing the dosing frequency.

### Industry

Brewing

### Location

Norfolk



Contact us



*"The ABS team have been incredibly helpful and willing to go the extra mile to assist us in achieving great results with our water treatment needs." - Hamish Cross, the Production Manager at Duration Brewery.*

### The benefits

During the trial period, ABS successfully resolved all key issues, which not only met the standards set out by environmental agencies but also resulted in a visible improvement in the reedbed of the river used as a discharge outlet.

The use of ALGAEZAP stabilised the pH levels, reduced solid suspension, and brought the BOD within acceptable limits.

Other benefits include:



Cost-effective alternative accommodating the brewery's limited resources



Visible improvement in the condition of the wet well, reducing solids



Successful stabilisation of the pH levels, mitigating the risk of imbalances and associated issues



Ensures regulatory compliance with standards set by the environmental agencies



A sustainable and effective approach



Enabling the brewery to continue operating whilst remediating issues

### About ABS

ABS is a fast-growing, science-led biotech organisation creating innovative microbial solutions for human and planetary benefit. We use nature's solution to consume waste, blockages, spills or pollutants.

Our products set new standards in sustainability criteria, helping companies to save costs, eliminate inconvenient operational closures, avoid regulatory infringement, and reduce health risks and carbon emissions.

Solutions by nature, for nature

Contact us