

Case Study



Commercial sewage treatment plant repairs.

At a Glance

CHALLENGES

- Regulatory pressures
- 24/7 operational demands
- Ageing and degrading of key system parts

BENEFITS

- ✓ Future-proofed solution
- ✓ Reduction in annual running costs
- ✓ Confidence in quality of effluent within parameters set by environment agency

Objectives

We have provided sewage plant maintenance support for a high-profile client for several years. Involving many visits throughout each week to ensure process compliance at all times.

The site must operate 24/7 and successfully provide a quality of effluent that meets very strict consent parameters set out by the Environment Agency.

Our engineers check the mechanical and electrical equipment to ensure continuity and also foresee potential failures of the equipment. Failure would lead to the effluent quality falling outside of its consent parameters, and result in a license breach for our client.

On this particular occasion we noticed that the ageing distribution trickle filters had started to degrade to a point that leaks were starting to appear.

Case Study

BINDER

Solutions

Maintaining the process of the commercial sewage plant, which operates and treats between 180 M/3 to 380 M/3 of effluent per day, would not be a straight forward one.

After making the client aware of potential issues that may arise from failure we then put forward a proposal. This included a report and quotation for replacement equipment, timescales and designs. The team would also carry out the removal and installation of the required equipment.

This needed to be achieved whilst keeping the site fully operational and within the design parameters set out by the Environment Agency.

Benefits

- ✓ Confidence that the effluent quality produced from the plants meet the Environment Agency parameters.
- ✓ Reduced the number of site visit required as a result of the new equipment, lowering annual running costs.
- ✓ Minimised the risk of a breach and prosecution.

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The project was delivered on time, with **high standards of Health and Safety**, great communications, teamwork and to cost.

ROBERT MUNNINGS
Project Manager

