



Gaymers Cider, Matthew Clark

Constellation Europe Limited

Advetec 460 Case Study

Gaymers Cider, Mathew Clark, is one of the UK's largest manufacturers of cider with a range of well established brands. The company is part of the larger Constellation Group of companies.

The manufacturing facilities is located in Shepton Mallett, Somerset and have an efficient effluent system which is electronically monitored by Wessex Water.

The manufacturing facilities are state of the art and comply with latest UK and EU guidelines for the production of drinks for human consumption.

Background: The factory has seasonal increases in solid effluent due to the annual harvest. This results in peak periods where high COD, TSS and Solids are produced.

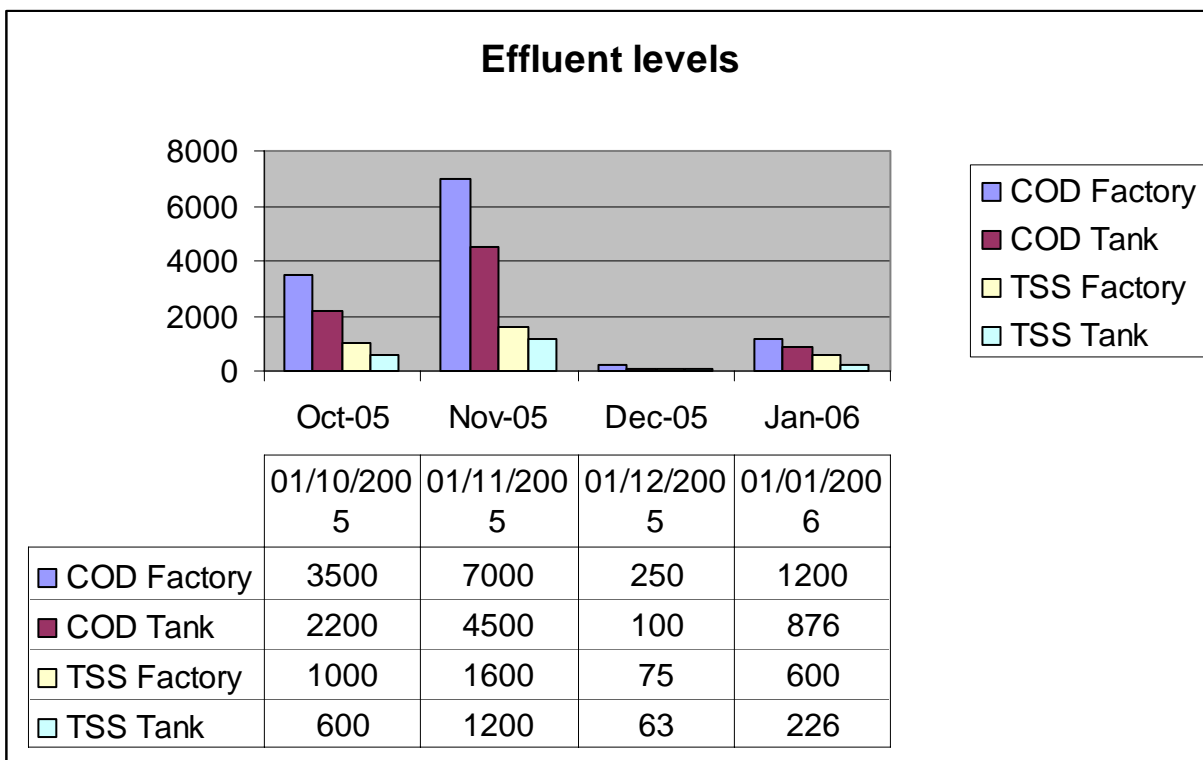
Objectives: The aim of the trial was to improve the following areas related to effluent discharge:

- COD
- Suspended Solids
- BOD
- Solids Transported

Implementation: A site wide survey was conducted prior to the Advetec dispensing system being installed. During the evaluation period effluent samples were collected daily. Analysis was recorded independently by Wessex Water.

Analysis: During the evaluation period the levels of effluent discharged where monitored and special note was taken of the balancing tank where 200,000 litres of effluent is stored before gradual discharge through the system.

Results: The graphs below illustrate the following results as recorded by Wessex Water:





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Results over 4 Months:

COD Reduction through Factory collection system: **83%**

TSS Reduction through Factory collection system: **75%**

COD Reduction in storage tank: **83%**

TSS Reduction in storage tank: **81%**

Solids Reduction: Minimal Reduction as solids extracted before liquid treatment

Odour issues: Noticeable reduction in odour during period

Summary: Gaymers Cider signed to a 24 month contract and currently utilise 1.2 Litres per 24 hours in the factory dosed through 5 dispensers they also utilise a single dose unit on the storage tank which is switched on and off when the tank has been filled for the storage of excess effluent. Currently the company has experienced a financial saving in excess of **£ 64,000** after the costs of advetec products and service.