

Teisseire meets wastewater discharge regulations and becomes energy producer with Veolia's solution

Food & Beverage | Case Study

The Client

Crolles, France -- Teisseire is a French manufacturer and brand of flavoured syrups. The company is owned by the British soft drinks manufacturer and distributor Britvic.



Key Figures

- Type of contract: Design & Build
- Start date: Mars 2014
- Flow rate: 17,5 m³/h
- COD load: 2,5 T/j
- Biogas: 5,9 MWh/j

The Client's Needs

Teisseire's main manufacturing plant is located in Crolles, a peri-urban area near Grenoble, France.

Teisseire was having some difficulties in complying with the local wastewater discharge regulations. The Client was also looking for a solution that would valorize the effluents by generating biogas for the needs of the plant (heat used in the process of manufacture of syrups).



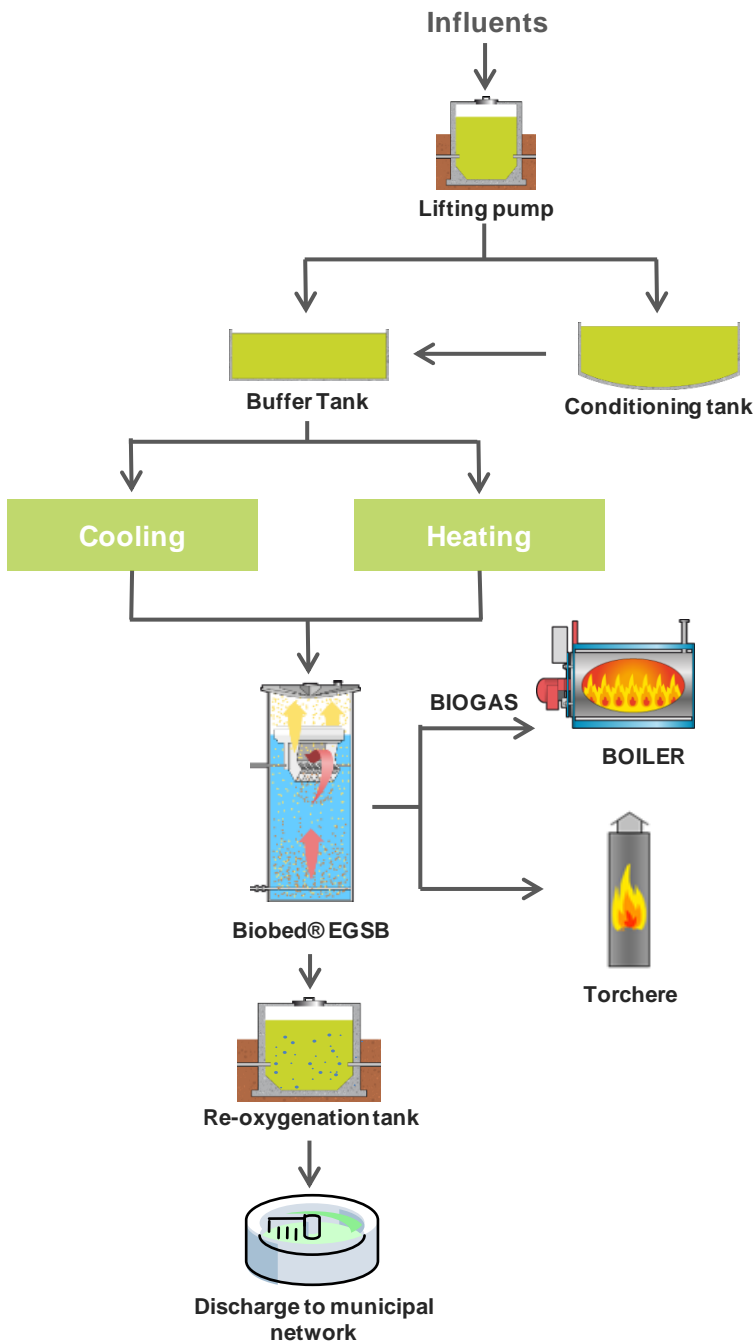
Teisseire trusted Veolia to provide a solution that would treat the plant's wastewater before discharge into the municipal network in accordance with the local wastewater regulations; and ensure, by transforming the pollution into energy, a lower operating footprint and reduced CO₂ to protect resources.

The Solution

Veolia proposed to Teisseire the Biobed® EGSB (Expanded Granular Sludge Bed). Dedicated to the treatment of industrial effluents, Biobed® EGSB is a very efficient process because it allows the treatment of very high volume loads, with a great compactness while being an energy source from the biogas production.

The design of the installation took into account the wishes of the customer in terms of integration within the existing plant, preservation of green spaces, safety and operating conditions.

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Benefits

- Compact process
- Tailor-made integration
- Very low energy consumption
- No olfactory and sound nuisance
- Important biogas production

Results

Not only the plant is compliant with the municipal discharge regulations but it also produces 10 times more energy than it consumes, allowing Teisseire to reduce its wastewater disposal cost and its energy footprint.

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