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**SEWAGE SLUDGE DEWATERING
A CUSTOMER REPORT FROM
THE BÜHL SEWAGE TREATMENT
PLANT ASSOCIATION**



OVERVIEW

Task	Dewatering of the digested sludge at the Bühl waste water treatment plant
Machine	Decanter C4E
Commissioning	May 2013
Scope of the treatment plant	14.000 m ³ waste water per day

Since 01.05.2013 a decanter type C4E from Flottweg SE has been in operation in the Bühl waste water treatment plant. When required, the decanter is used 24 hours a day for dewatering municipal sewage sludge. The performance results achieved correspond to the guaranteed values given by Flottweg at the time the contract was awarded and fully meet our expectations.

Apart from the usual service calls, there were no unforeseen breakdowns.

Flottweg will carry out service assignments promptly and reliably.

The closed design, the automatic mode of operation and the simple operation of the system are particularly pleasing. The system can be operated with little effort and personnel input.

PARTICULARLY IMPORTANT

- Closed construction method
- Automatic operation
- Simple operation of the system
- Little effort and personnel required
- Fast, reliable service



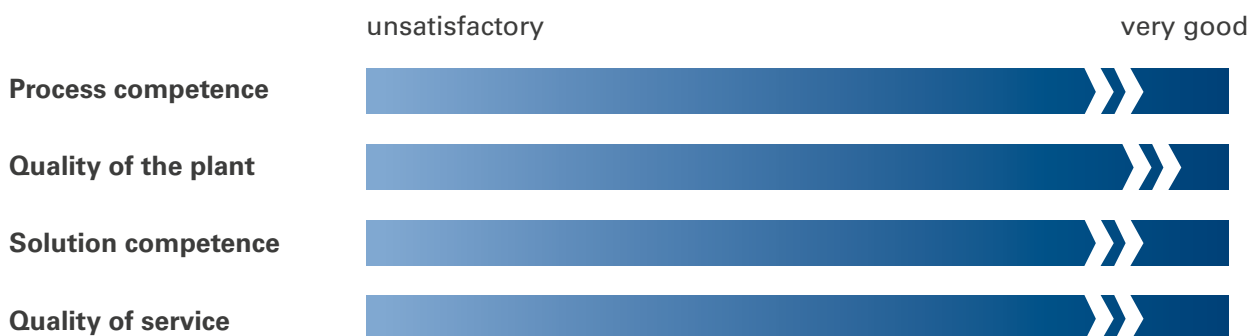
DEWATERING PROCESS

On an annual average, around 14,000 m³ of waste water have to be treated and cleaned in the Bühl waste water treatment plant every day. A C-series Flottweg decanter centrifuge dewateres the digested sludge. With the addition of flocculants, the C4E decanter dewateres the sludge from 2.6% to 28% dry substance.

More information about the process can be found at:
www.azvbuehl.de/azv/klaeranlagen/verbandklaeranlage.php

Sludge	Raw and surplus sludge
Throughput	>30 m ³ /h
Inflow concentration	2.6 % dry substance
Solids line	650 kg/h
Dry substance after drainage	28 % dry substance
Polymer consumption	11 kg/t dry substance

EVALUATION



**„We therefore recommend the Flottweg decanter
 due to their high reliability and performance.“**

Arno Kremer, Operations Manager