

RECORDED BENEFITS

- Reduced chemical dose by 20%
- Maintained cake dryness
- Improved quality and consistency of centrate water
- Improved stability across the wastewater treatment plant

New Flocculant Program Reduces Chemical Costs by 20%

Zetag™ 8187 Flocculant

Customer Challenge

A sewage treatment plant located in EMEA was using a traditional flocculant to dewater its digested municipal sludge using a centrifuge. Results were acceptable in terms of cake dry solids but slightly variable in terms of centrate quality.

The municipal site was keen to reduce its spend on flocculants and improve the consistency of its centrate return water to help stabilize other parts of the wastewater treatment plant.

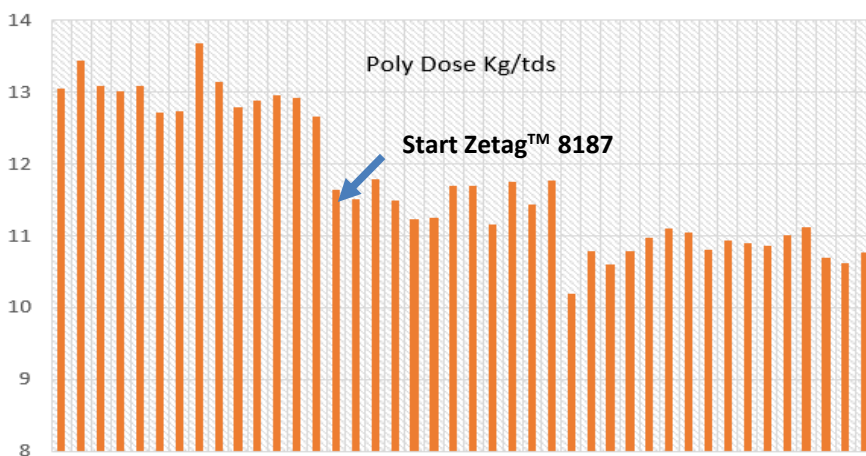
Recommended Solution

A laboratory sludge evaluation was carried out and identified Zetag™ 8187 from Solenis' range of flocculants as having the potential to deliver the required process improvements.

Results Achieved

After switching to Zetag™ 8187 flocculant, dose optimization commenced and immediately allowed significant dose rate reductions at the same time as delivering improved centrate quality and consistency.

The site has achieved a reduction in flocculant dose rate of 20% over an extended period and improved centrate quality has been maintained.



Average flocculant dosage per day in kg per ton dry solids

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