

## RECORDED BENEFITS

- Reduced annual disposal cost of \$5.8 Million
- Lowered polymer dose while yielding high dewatering performance
- Significantly reduced the presence of hydrocarbons in sludge cake
- Reduced transportation costs in deliveries and waste disposal

## High Performance Flocculant Bead Improves Operational Performance and Saves \$5.8 Million Per Year

### Zetag™ 7583 Flocculant Bead

#### Customer Challenge

A large municipal customer in North America was applying a liquid flocculant for dewatering sludge in their belt press operations. The liquid flocculant used contained high levels of hydrocarbon oil which flowed through to the sludge cake causing an excess of residual hydrocarbons resulting in higher sludge disposal fees.

#### Recommended Solution

Solenis recommended a flocculant bead product, Zetag 7583, to replace the incumbent liquid product and reduce hydrocarbon presence. Compared to standard powder flocculant products, beads have superior dissolution properties, lower dusting and excellent free flowing properties.

#### Results Achieved

The implementation of Zetag 7583 flocculant bead was successful with excellent sludge cake dryness. The supplied product dose was decreased and being a solid grade product, delivery costs were lower than the incumbent liquid product. Most impactfully, residual hydrocarbon in the sludge cake was significantly decreased, reducing annual disposal costs by \$5.8 Million.



Belt press operations with Zetag 7583 flocculant bead

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