



## How to Unlock Higher Equipment Performance with the Right Expertise and Technology

### Background & Challenge

The utility faced a **challenging sludge situation** and had exhausted previous treatment options.

Prior to 2017, sludge was managed through on-site incineration, but following its shutdown, the facility had no alternative but to send undigested primary and thickened secondary sludge to **landfill**, resulting in significantly **higher disposal costs**.



### Orege's Solution & Service

Orege leveraged its **SLG® technology**, backed by deep **process expertise**, to unlock immediate dewatering performance gains.

By **conditioning sludge** and **improving separation efficiency**, SLG® enhances the effectiveness of existing dewatering assets while **reducing chemical consumption**.

Easily integrated into the current setup, the units operated alongside the belt filter presses from day one.

The proven results led the facility to expand with a second unit, reinforcing both **operational efficiency** and **cost savings**.





## Results and Benefits

### Significant Process Optimization:

Once the SLG units and belt filter presses are set up and operating together, the facility experiences a substantial increase in total solids, rising from an **average of 13–14% to 18%**.

### Quantifiable Cost Savings:

The process improvement directly addresses the utility's need for savings. By **reducing polymer use** by 2 to 3 gallons per minute, the facility achieves a **15% to 20% annual reduction** in the total cost of polymer emulsions they purchase.

What truly distinguishes Orege is not just its technology but the **expertise** behind it.

Drawing on 45 years in the industry, Bob HELIGER called Orege “one of the best vendors I’ve ever dealt with,” praising the team’s deep knowledge and excellent responsiveness.

This **mindset** is what turned a project into trust, and trust into a strong **partnership**.



"If you have a difficult sludge situation, where you are looking for savings, Orege is what you need."

Bob HELIGER, Sr Engineer Technician/Process Optimization for Gloucester County Utility Authority