

# Sludge Treatability Laboratory

Veolia Separations owns and operates a modern, full-service sludge treatability laboratory located in Ashland, Kentucky. Our lab is equipped with bench top test equipment that simulates full-scale process equipment and can predict actual field results based on representative sludge samples. The lab tests evaluate each sludge sample for every possible chemical (e.g., polymer, coagulant, filter aids, etc.) and mechanical (e.g., filter press, belt press, centrifuge, dryer, etc.) separation/dewatering technology.

Evaluation of Sludge Sample Properties (pH, %solids, density, etc.)

Bench top tests and lab analysis of chemical pre-treatment options (polymers; flocculants; coagulants; filter aids such as DE, perlite, lime/ferric, etc.)

Bench top simulation of Belt Press, Filter Press, Centrifuge & Dryer Technologies

Evaluation of each technology and the resulting Cake Quality (dry solids, density, BTU, etc.)

Evaluation of each technology and the resulting Water/Oil Quality (TSS, BS&W, etc.)

**The “key” to our success:** Evaluate the wide array of chemical and mechanical technology options based on their overall cost effectiveness and their ability to meet/exceed the customer’s specific objectives.



# Vendor/Supplier Alliances

In addition to our own extensive inventory of sludge processing and tank cleaning resources, Veolia Separations has ready access to additional resources (equipment, knowledge, experience, etc.) through a vast network of equipment suppliers and key vendor alliances (Godwin, Liquid Waste Technologies, Rain for Rent, Nalco Chemical, Siemens, etc.).

# Financial Strength and Reputation

Veolia ES has the financial ability to procure any resource necessary to support our operations and meet or exceed our customers' expectations. Our reputation will always take priority over profits. Veolia ES is in this business for the long-term. We value and strive for repeat customers.