

Resources & Technology

Veolia Environmental Services (Veolia ES) has an unparalleled pool of professional, technical, and operations personnel equipped with the best resources in the industry.

People: Veolia's people are our most valuable asset. Veolia Separations boasts the best and brightest people in the sludge processing, dredging and dewatering industry. The development and advancement of our people will always be a top priority. The Separations & Tank Cleaning Division is focused on and bonded by a common goal of excellence in everything we do.

- Experienced operations and technical support staff working together as a TEAM to meet and exceed the customer's expectations
- Experienced, dedicated Project Managers leading Certified Technicians and Operators to execute a plan and achieve all objectives
- An endless "knowledge network" at the finger tips of our field personnel and support staff
- Trained personnel motivated and rewarded to be the best in the business

A Separations & Tank Cleaning Division Organization Chart can be provided upon request. Individual resumes and experience summaries are also available upon request.

Equipment: Veolia Separations' equipment fleet is the largest collection of mobile sludge processing equipment in the nation. Our equipment is maintained fully operational and ready for rapid deployment to meet all of our project needs. Veolia owns and operates Filter Presses, Belt Presses, Centrifuges, Thermal Dryers, Dredges (manned and remote), Mix Tanks, Screening/ Shredding Systems, Sludge Pumps, Manway Cannons, and other items as required to create the optimum process for a specific sludge stream.

Veolia's equipment is maintained through a comprehensive preventative maintenance program that keeps it in excellent operating condition and ready for immediate

deployment. Maintenance is performed by experienced and trained personnel to ensure top performance in difficult working environments.

Please see the major equipment and technology descriptions that follow. Veolia Separations is ready and willing to answer any and all questions concerning our equipment/technology and why we recommend one chemical and/or mechanical process over another.

Optimum Process & Technology: Veolia's process and technical recommendations are based on the optimum way to meet and exceed the customer's unique goals and objectives based on his/her specific sludge stream. The following issues, facts, and figures are critical to selecting the optimum process:

- Condition, character and content of the sludge. Factors such as age, temperature, pH, chemical constituents, solids content, oil/water content, presence of surfactant(s) (e.g., emulsion), and history of the sludge stream
- Reaction of the sludge sample to chemical and mechanical Separation/Dewatering techniques
- Customer's Site Logistics (Utilities, Access, Security, Terrain, Weather, Location, etc.)
- Customer's Objectives/Specifications for the solid, water, and oil streams
- State and Federal Regulatory Guidelines and/or Restrictions

The "key" to our success: *Evaluate the complete array of chemical and mechanical technology options based on their overall cost effectiveness and their ability to meet/exceed the customer's specific objectives. Since Veolia owns and operates all of the possible technologies, we are not pre-disposed or pressured to "push" one technology over another like our competitors often do.*

TYPICAL SEPARATION TECHNOLOGY PROCESS FLOW DIAGRAM

