



Long-term, On-site Processing

Veolia has designed, built and currently operates several long-term sludge processing facilities using state-of-the-art technology. Each process is designed specifically for the customer's sludge stream and ultimate waste management and/or product recovery objectives. Veolia's goal is to provide a TEAM management approach of the facility and processed waste streams to insure a total quality service at a competitive price.



Long Term Processing offers the following advantages:

- The ability to amortize equipment and facility costs over an extended time period, thus significantly reducing monthly operating cost.
- Significantly reduce or eliminate sludge storage capacities (i.e., lagoons, tanks, basins, etc.).
- An engineered facility complete with all safety and regulatory compliance issues/items inherent in the design.
- Customized capacity (or throughput) to match sludge production/processing volume with future expansion capabilities.
- Proactive planning and management of regularly produced waste streams rather than crisis or emergency response.
- Consistent and predictable operating costs that can be budgeted and managed well in advance.
- Existing onsite facility to process additional sludge streams if/as they are generated throughout the plant (API/DAF streams, tank bottoms, sewer sludge, cooling tower, pits, basins and lagoons).





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The long term processing facility is custom designed, based on using the optimum process technology (chemical & mechanical) for the customer's specific waste stream(s). These technologies include, but are not limited to:

- Centrifuge
- Belt press
- Filter press
- Low Temperature Thermal Drying
- High Temperature Thermal Desorption (BDAT Technology)
- Screening, Mixing, Shredding, Pumping, etc. as required to properly prepare the sludge stream for optimum phase separation
- Particle Sizing solids for Coker Feed

Sludge Management Process Options:

Veolia will design and build a long-term process/facility in order to maximize the beneficial reuse (e.g., Fuels Blending or Coker Feed Recycling) and/or recovery of valuable materials (e.g., oil and water) in the original waste stream(s). We will also minimize (or in some cases eliminate) the volume of hazardous waste solids that must be disposed of at an off-site facility (e.g., incinerator). Some of the more common Process Options are:

- Coker Feed Preparation for Recycling (Fuel and/or Quench Cycle)
- Oil/Water/Solids Separation and Fuels Blending (oil with haz solids)
- Volume Reduction (of hazardous/listed solids) & Product Recovery (oil & water)
- Onsite D-Listing of Hazardous Waste Solids (BDAT Drying)
- Bio-solids Removal and Dewatering

