Food Industry Sludge Processing

Minimize Waste.
Recover Product.
Maximize Profit.

WM Dolphin's team of professionals has a combined 100 years of experience processing sludge and recovering valuable commodities. In many ways, the food industry is the next frontier for centrifugal dewatering and Fat, Oil, and Grease (FOG) recovery. We aim to produce the driest cake possible from a mechanical process, which can assist with the reduction of transportation and disposal, and/or helping you comply with rendering specifications while supporting the prevention of spoliation of valuable proteins. Further, our process is designed with consistency in mind for repeatable results in processed water quality. All through the same process, WM Dolphin can recover FOGs for sale in the commodities market.

- Short-term projects such as lagoon cleanouts
- Long-term processing of daily volumes of pre- and post-treatment sludges

Our primary objective is to reduce waste generation, which can help improve site operations by minimizing logistics, increasing wastewater treatment reliability, and streamlining EH&S compliance, all of which can help reduce costs, allowing any recovered FOGs to fall straight to your bottom line.

Facilities and Sludge Streams

Our 3-phase (solids, water, FOGs) decanter centrifuges can process virtually any sludge stream, from basic dewatering of wastewater treatment biological sludge to processing and recovering FOGs from routine plant operations. WM Dolphin can deploy these systems to all stages of the US food supply chain, including:

- CAFOs
- Protein Processing and Further Processing Facilities
- Rendering Plants
- Frozen Food Plants
- Bakeries
- Sugar Processing and Refining
- Beverage Production
- Cooking Oil Processing/Refining
On-site Processing Services

HERE’S THE TRUTH: YOUR SYSTEM CAPABILITIES WILL ONLY TAKE YOU SO FAR.

Using the correct spin rates, feed rates, temperature and chemical dosages for your waste streams are critical components for optimizing your centrifugal separation process. Our goal is to maximize customer results while minimizing customer efforts. Our operators work with you to understand your needs, manage the process, and most efficiently achieve the required separation giving you premium waste minimization and resource recovery.

• On-site Operators
• State of the Art Dewatering Equipment
• Remote Troubleshooting
• Engineering & Consulting Services

Turnkey Solutions

We provide turnkey waste processing solutions and collaborate with your existing vendors to get the job done safely, on time, and on budget. As a true turnkey provider, our work begins at the point of generation, identifying best options for processing, treatment, transportation and disposal. The cornerstone of our solutions emphasizes safety as a core value and environmental compliance as a company standard.

Technical Discovery
Process Design
Specification Validation
Detailed Process Design
Facility Construction
Equipment Operation
Waste Management
Recycling and Commodity Recovery

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