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PRESS RELEASE

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Photo caption 1: Bob Hamm, Testing Services Manager and Carrie Gabrielse, Laboratory Technical Specialist run Evoqua's state-of-the-art laboratory facility where they run sample tests for customers of Evoqua's dewatering systems.

Photo caption 2: Closeup of residuals from a flavoring company which comprised Evoqua's 10,000th dewatering sample. Left: filtered liquid after the solids are removed; center: dewatered solids (the filter cake); right: filter media used to remove solids from the slurry.

Evoqua Sinks Its Teeth Into Ten Thousand Cakes

Evoqua Water Technologies, Dewatering Systems, Holland, MI today announced its laboratory has processed its 10,000th wastewater treatment residual sludge sample. Residuals are the solid/liquid suspensions that are the by-product of the wastewater treatment process that occurs in a variety of industries. Evoqua manufactures equipment that are used to separate the solids from the liquids.

Manufactured for 40 years in its Holland, MI facility, filter presses are industrial-sized machines that can separate large volumes of water from solids. The solids which Evoqua's filter presses filter out form a dry "filter cake" which the press owners then dispose of or reuse. In order to match the customer's process needs with the correct filter press size, sludge samples are often sent to Evoqua for analysis in its laboratory.

"There are many reasons to test a sample," says Robert Hamm, Evoqua's Testing Services Manager, "From measuring particulate size to testing for different materials in the cake. Some organizations want particle-free liquid to exit the press, others actually want some particulates to flow through the press, and we help the customer decide which press to purchase or which filter cloths to install."

From one sludge sample many tests can be run, from cake dryness and weight to particulate size and metal composition. "From a particular sample we typically run from two to six different tests depending on the organization and their needs," says Carrie Gabrielse, Laboratory Technical Specialist. "Our ten thousand samples turn into many more thousands of tests, easily."



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In this case the 10,000th sample is from a flavoring company in the Midwest. The customer is requesting dewatering tests. They want to determine the filter cloth best suited for their application on their existing filter press, and also if the filter cloths require a chemical pre-coating. From the slurry samples, 7 individual tests have been run on 2 of their product lines.

“Our filter presses are found in many leading industries, from high-tech pure water circuit washing to local winery presses, municipal wastewater, the global mining industry, and others,” says Mirka Wilderer, General Manager & Vice President of Evoqua’s Separation Technologies. “The beauty of these filter presses is that they range in size from small to immense, and throughout a range of industries. It makes our business exciting and we look forward to another forty years of building presses, and analyzing another ten thousand samples.”

Evoqua Water Technologies is a global company that covers the water industry with over 20 product lines for municipal and industrial customers. The Holland, Michigan facility manufactures filter presses, intake systems for the power industry, and mobile clarification, filtration and deionization units, odor control and microfiltration systems for other Evoqua business segments.

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