



## **QC Analytical Services** MICROSCOPY

### **You're operating a Wastewater Treatment Plant... but also a bacteria farm.**

Proper population control allows for bacteria floc with ideal settling and solids handling properties. Bacteria are telltale of plant conditions — DO, pH, F/M, SRT, Nutrient and FOG levels — and can respond within hours to changes in these conditions. Upon microscopic examination, QC Analytical Services can assess your bacteria and higher life forms and diagnose an impending plant upset.

### **GET PROACTIVE! Monitor your wastewater with our Biomass Analysis plans:**

#### **Biomass Analysis Basic (\$50)**

Basic biomass analysis examines the floc structure in MLSS or lagoon biomass as it relates to settleability and dewatering characteristics. The distribution of higher life forms; i.e., amoebae, ciliates, rotifers, etc., is also measured to assess and optimize biomass vitality and wasting conditions.

#### **Biomass Filamentous ID (\$120)**

Biomass filamentous bacteria identification uses Gram and Neisser staining techniques and microscopic measurements to identify and quantitate filamentous bacteria within the biomass floc or foam. Specific bacteria types correlate to plant conditions that can be altered to optimize biomass settling and dewatering characteristics and improve wastewater treatment.

The lab can complement the biomass analysis with further physical and chemical tests; e.g., SVI, pH, VSS, etc., as needed to offer a more complete picture of the interrelationship of the microbiology to process conditions.

Weekly basic biomass analysis, supported with filamentous bacteria id when needed, can pinpoint deviations from biome baseline conditions before problematic plant upsets. Give yourself the assurance that you're making the right decisions by evaluating your bacteria farm today!



**CALL 563-289-3373**  
today for information  
about Biomass Analysis!

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