



Filamentous Troubleshooting Webinar Description

Activated sludge is the biological backbone of wastewater treatment. If the sludge is healthy, treatment is good. If it is unhealthy, filaments will take hold and drive solids over the clarifier weir and into our waterways. Operators need to know the causes and cures for filamentous bacteria.

Filamentous bacteria are the main cause of solids loss in biological treatment. They are the primary reason for bulking & foaming. Nocardia is the most common and the most difficult to overcome. O21N is the largest and the toughest. S. natans is the most delicate and the smelliest. They all have one thing in common, their presence means that the floc is sick. The flocculating bacteria are essential for good treatment and settling while the filaments are not sticky enough to produce a clear effluent. We will look at the individual filaments, but mainly we will look at how to strengthen the floc bacteria to make sure that it is not susceptible to filamentous attack.