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Anaerobic digestion biological health, improving efficiency and biogas composition

Will Charlton Digester Doc, USA

Through regular monitoring and testing of biological health one can optimize the production of the Methane/biogas production within the biomechanical process known as Anaerobic Digestion. Through general watching of the biological system, one can avoid most cases of foaming events, toxicity occurrences or other costly down times. Daily monitoring of gas flow, and gas composition as well as regular microscopy observation can assist a Digester operator in noticing these costly issues before they occur. Knowing is half the battle of improving the economics of the digester system implemented on farm, business, institution, treatment facility or even home.

Biography

Will Charlton is owner and primary researcher with Digester Doc, a laboratory focused on improving biological health and economics of Anaerobic Digesters worldwide. Will has worked with anaerobic digester systems throughout the United States and has become very knowledgeable on the various technologies offered throughout the world, and maintains neutrality regarding specific technologies. Will has worked with anaerobic digesters since 1999, starting with the backend of the digesters in developing higher valued products from the digestate through biomechanical means, and eventually enveloping knowledge on the entire digester process microbiology.

will@digesterdoc.com