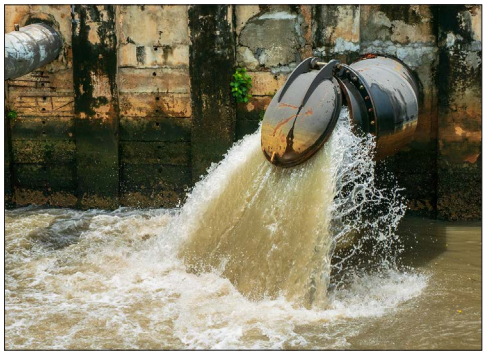
NEWS ALERT

ISO 9001
ISO 14001

BCP655™: The Shortcut to Ammonia Reduction in Wastewater



What do chicken nuggets, a new shirt, the gas station, and your daily dose of meds have in common? They all relate to industries that struggle with high ammonia levels in wastewater. To avoid facing fines and polluting the environment, these industries must keep ammonia and other harmful compounds in check. Rather than leaving facilities overwhelmed by ammonia overload, Bionetix® recommends using BCP655™ as a great shortcut to reduce ammonia concentration and improve overall water quality.

The Long Road to Ammonia Removal

Traditionally, nitrifying bacteria have been used to convert ammonia to nitrite and then to nitrate. From there, denitrifying bacteria take over, turning nitrate into nitrogen gas. This multi-step process faces limitations from temperature, oxygen levels, and toxic organic compounds.

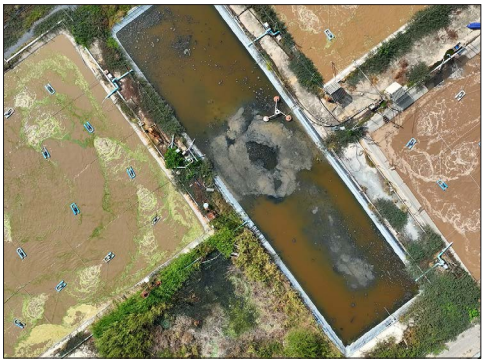
The Shortcut to Ammonia Removal

BCP655™ offers a fast track to ammonia reduction, with the potential to improve wastewater treatment efficiency by 50%. Given an adequate carbon source (C:N balance), the denitrifying bacteria of BCP655™ consume more ammonia than nitrifying bacteria. They remain metabolically active at lower oxygen levels and temperatures as low as 10-12 °C, consuming some of the organic compounds that are toxic to nitrifiers. Furthermore, BCP655™ simultaneously degrades BOD, COD, nitrite, and nitrate at the same time as ammonia, improving overall water quality before wastewater is released to the environment.

Which Path Will You Take?

Next time you eat a chicken nugget, put on a new shirt, fill the car up with gas, or take your medicine, think about the wastewater challenges your own industry faces. If you think your facility is

Keywords: ammonia reduction, ammonia problems in wastewater, wastewater treatment, nitrifying bacteria, denitrifying bacteria, ammonia overload, Bionetix, how to solve BOD problems, how to reduce ammonia, how to reduce COD



ready to take the BCP655™ shortcut to ammonia reduction, don't hesitate to contact our microbial experts at Bionetix® International for further support!