Ultrawaves Wasser- und Umwelttechnologien GmbH z.Hd. Herrn Dr. Nickel Becker-Göring-Str. 17 - 25
76307 Karlsbad

Ultrawaves High-Power Ultrasound Technology for Improvement of Anaerobic Sewage Sludge Digestion on Bünde WWTP

Dear Dr. Nickel,

We confirm that WWTP Bunde is using Ultrawaves High-Power Ultrasound Technology for sewage sludge disintegration to improve the anaerobic sewage sludge digestion performance since the year 2006.

The successful installation results in an improvement of 22% reading sludge VSD (volatile solids degradation) and 22% regarding the biogas production. We also use a part of the sonicated sludge as a carbon source for the denitrification process to improve the biological nitrogen removal (BNR). We are very satisfied with the application of Ultrawaves HPUS Technology and achieved process improvements.

obe Bünde (ABR)

Grabenstr. 88, 32257 Bünde

Best regards,

Schubert

(Operation Director of Bünde WWTP)