VTA mudinator®



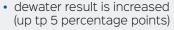




Ultrasound treatment using the VTA mudinator® can change the structure of the sludge thereby improving the effect of the polymer.

- The sludge is treated with ultrasound just before the polymer is added.
- Changing the structure of the sludge produces a better charge balance with the subsequent polymer.
- Optimized energy use → no disintegration takes place
- The result is a shear stable-stable floc → better dewatering.

IMPROVED DEWATERING





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REDUCED POLYMER CONSUMPTION

- polymer requirement is reduced significantly
- optimisation in the addition of conditioning agents



COST REDUCTION

 lower costs due to significant reduction of the volume of sludge requiring disposal



REDUCED BACKCHARGE

 backcharge on the plant ecosystem is reduced in combination with VTA Biocitran[®]





RECOMMENDED COMBINATION

VTA MUDINATOR® & VTA BIOCITRAN®

Introducing VTA Biocitran® into digested sludge using ultrasound (prior the polymer is added)produces synergy effects during the ultrasound treatment – allowing more effective dewatering of the digested sludge and even reducing polymer consumption.