

High Volume, Low Cost Dewatering for Municipal Wastewater Treatment Plants



Geotube® Dewatering Technology in Action:

1. Raw sludge before treatment.
2. Polymer addition to promote dewatering.
3. Clear effluent obtained from Geotube® system.

The Ideal Dewatering Solution for Municipal Wastewater Treatment.

TenCate Geotube® dewatering technology is a simple, cost-effective system. It has been proven to efficiently dewater municipal wastewater.

- Ideal for lagoon, tank, and digester cleanouts
- Dewatering and containment in one operation
- No capital expenditure
- 85% to 90% reduction of BOD in effluent
- Can be used seasonally, with solids safely stored onsite between uses
- Solids can be disposed of in a landfill or land applied
- Units available in sizes to fit drying beds. There is also a unit designed to fit in a roll-off box (Geotube® MDS - Mobile Dewatering System) for convenience.



Dewatered solids can be easily removed and disposed of properly.



Geotube® technology simplifies the dewatering process. It can even be portable. Geotube® MDS (Mobile Dewatering System) units fit in a roll-off box.

How TenCate Geotube® Technology Works

Dewatering with TenCate Geotube® technology is a three-step process:



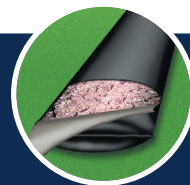
1. Filling

Sludge is pumped into the Geotube® unit. Environmentally safe polymers are added to the sludge, which makes the solids bind together and water separate.



2. Dewatering

Clear effluent water simply drains from the Geotube® unit. Over 99% of solids are captured, and clear filtrate is returned to the headworks of the plant.



3. Consolidation

Solids remain in the bag. Volume reduction can be up to 80%. When full, the Geotube® unit and contents can be deposited at a landfill, or the solids removed and land-applied.



Know in Minutes if Geotube® Technology Can Work for You.

A **Rapid Dewatering Test (RDT)** can tell you quickly. It tests a small sample of your waste material to see how well it dewateres. You'll know in a matter of minutes. For a more comprehensive analysis, our **Geotube® Dewatering Test (GDT)** evaluates 20 to 40 gallons of waste material, and allows you to accurately estimate effluent quality and dewatering rates. Test procedure based on ASTM-D7880M.

For Large or Small Dewatering Requirements, TenCate Geotube® Technology Works.

TenCate Geotube® dewatering technology can be used to dewater millions of gallons of sludge from a lagoon, or take care of smaller dewatering needs. It's versatile, inexpensive, and very efficient.

The Simplest High Volume Dewatering System Ever

There are no belts or gears. Geotube® units are available in a variety of sizes, depending on project volume and space requirements. Units can be custom fabricated to fit inside existing drying beds or placed inside mobile roll-off containers. For larger applications, Geotube® units can be stacked vertically to maximize your available footprint.

Learn More Today

Visit our website at www.geotube.com. You'll find case studies, technical information, literature, news, and other features.

For informational videos and project profiles, visit www.youtube.com/TenCateGeotube.

And you can always get your questions answered by contacting spec@tencate.com.

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