TENCATE
Geotube®

Municipal Wastewater Applications

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.

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How TenCate Geotube® Technology Works

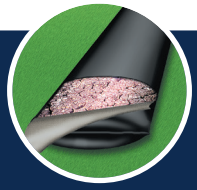
Dewatering with TenCate Geotube® technology is a three-step process:

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 dewaters. 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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ISO 9001 FM 61026

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