



CWT

CLEAN WATER TECHNOLOGY

Primary Wastewater Treatment



GEM® System

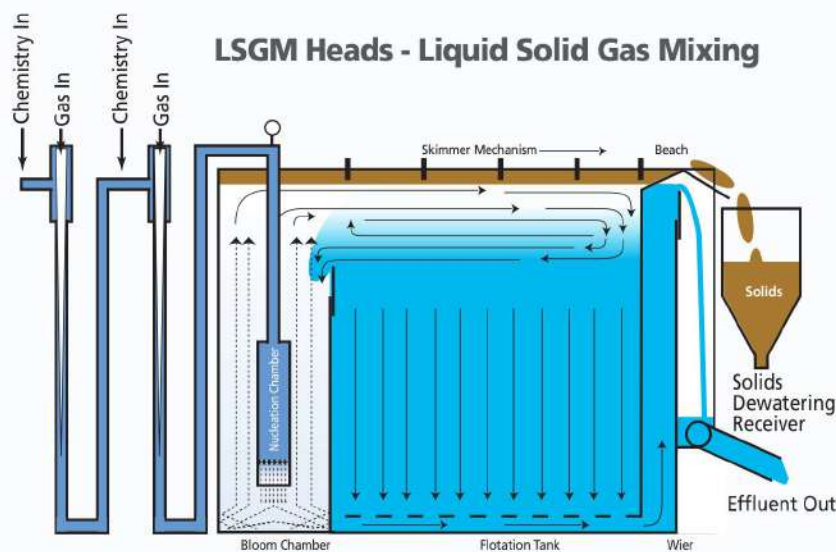
The Best In Class Primary Wastewater Treatment

The GEM (Gas Energy Mixing) System utilizes a unique approach to flocculation and flotation technology and outperforms other dissolved air flotation (DAF) systems instead of relying on a random collision process. The GEM System technology manages it by dissolving air into 100% of the waste stream.

Clean Water Technology (CWT) guarantees the highest removal efficiencies of total suspended solids (TSS), fats, oils and grease (FOG), and the suspended portion of chemical oxygen demand (COD) and biological oxygen demand (BOD).

GEM System Advantages

- High contaminant removal
- Drier sludge
- Cleaner effluent
- Less space requirements
- Easy installation
- Easy operation
- Adapts to differences in loads and flows
- Low energy consumption
- Low chemical usage



Patented LSGM

(Liquid Solid Gas Mixing) heads create energy that mixes air into 100% of the waste stream creating a vortex effect that separates solids from liquids before reaching the skim tank.



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GEM[®] System

Characteristics

Material: Stainless steel

Size: Compact design fits into a variety of spaces from 5 GPM to 3200 GPM

Peripherals: Optional add-ons

- Screens
- EQ tanks
- pH systems
- Automatic chemical systems
- Platforms/catwalks
- Sludge tanks
- Screw presses



Easy to Own and Operate - Primary Wastewater Treatment System

Platforms/catwalks fabricated to the GEM System are provided specifically for safety and access.

The GEM System can be affordably purchased or leased. CWT offers on-site demonstration units that prove the performance of the GEM System in real world situations for a try-before-you-buy certainty.

Due to more efficient chemical usage, better contaminant removal, drier and renewable by-products - all in a smaller footprint - CWT clients find the GEM System to be a sustainable asset and a sound investment in their plant.

GEM System technology can also be used to retrofit existing DAF units to expand hydraulic and contaminant loading capabilities. Containerized systems are also available in small sizes.

CWT's goal is to always provide our clients with the best product fortreating wastewater in the most sustainable manner.

Ask a CWT Project Manager which option is best for your needs.

Ready to Get Started?

Contact us today to begin a conversation!



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