

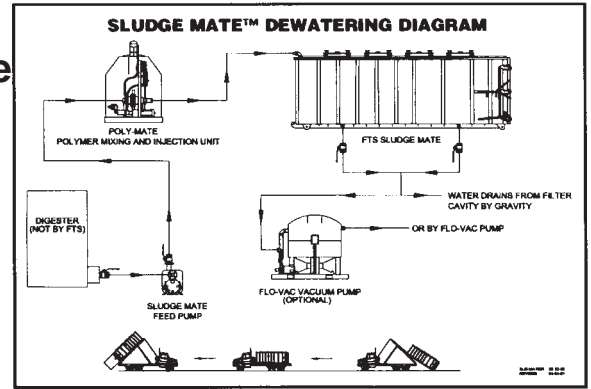
# CONTAINER FILTERS

1/2 to 40 Cubic Yards



**Dewater • Store • Transport • Dump...  
In One Container With No Moving Parts!**

- Solids/Liquids Separation - Dewater Sludge, Screenings, Grit, Septage & Grease
- Versatile - Complete Range of Models, Styles, Sizes & Filter Materials
- Economical - Low Cost & Low Maintenance.



- Self-Dumping • Front, Rear, Side Loader
- Lugger • Roll-Off • Sludge Mate®



**Roll-Off  
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Dewatered Grit**



**Dewatering  
Screenings**



**Clear Water from  
Sludge Mate®**



**Dry Solids from  
Sludge Mate®**



**Trailer Mounted  
Sludge Mate®**



**Tipping Stand Mounted  
Sludge Mate®**



**Self-Dumping  
Container Filter**



**Roll-Off Dewatering  
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**Retrofit  
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**Poly-Mate® Polymer  
Mixing Unit**

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As seen in:

**WATER & WASTES  
DIGEST**

September 2001



**Sludge**

# Trailer-Mounted System Spreads Digested Sludge in Texas

Seasonal limitation to liquid land application of digested sludge and increasing fuel costs for transporting liquid waste have caused numerous problems for Wastewater Treatment (WWT) Plants across the country. Flo Trend® Systems of Houston, Texas offers solutions to these problems with a low-maintenance, low cost Container Filter that will dewater sludge to a level suitable for mechanical broadcast spreading.

The Guadalupe Blanco River Authority (GBRA) has spent two years accessing the cost of removing digested sludge from WWT Plants. In the past, all solids were removed wet by vacuum trucks and transported to a private grass farm for land application. During the wet season, the grass fields were off limits for liquid applying. In addition to difficulties with handling and distribution, fuel costs



A Flo Trend® Systems 30-cubic-yard Sludge Mate® unloading dry solids from the Guadalupe Blanco River Authority

continued to rise.

After reviewing several options, GBRA elected to choose the Container Filter manufactured by Flo Trend® Systems. The bio-solids are pumped directly through Flo Trend® Systems' Poly-Mate® Mixing and Injection System to flocculate the waste. The Poly-Mate® incorporates Flo Trend's® patented Mix-Mate to produce uniform flocculation of the sludge. Once the material is flocculated, it passes directly into the Container Filter. In less than 24 hours, the dewatered

sludge will be suitable for transporting and spreading. The discharge water drains back to the headworks of the plant or to the digester. After the sludge meets the paint filter test, the Container Filter is transported to contracted grass fields. The sludge is now mechanically spread using a manure spreader.

GBRA currently uses four 30-cubic-yard Container Filters at four WWT Plants near Seguin and New Braunfels, Texas. Using the Container Filters has significantly reduced the total suspended solids in the aeration basins in less than two months. Transportation costs have decreased due to hauling only solids and no water. GBRA can now reduce the amount of solids loaded using the Container Filter. The Container Filters also eliminate any problems caused by wet weather field conditions.