



System Solutions
 self contained, simple, efficient &
 economical for a full range of applications

**AGGREGATE
 BIOLOGICAL
 CHEMICAL
 FOOD PROCESSING**

**GREASE TRAP
 INDUSTRIAL
 LIVESTOCK
 MEAT PROCESSING**

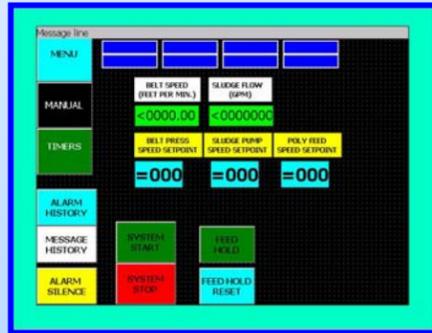
**MUNICIPAL
 PULP & PAPER
 SEPTAGE
 ...PLUS MANY MORE**



- Stainless Steel Frame
- Stainless Steel Rollers
- Stainless Steel Pans



- Patented Radius Wedge Section
- Full Contact
- No User Adjustments Required



State of the Art Controls

- Touch Screen Controls
- Easily Expandable Control System
- Model Support by Factory Technicians
- NEMA 4X Control Enclosures

On Press Remote Operator Control Station

- Allows operator to view gravity section
- Allows for all necessary adjustments to be made from the remote station
- System can be completely operated from the remote control station even without the Touch Screen



CONTRACT DEWATERING

Let Bright Technologies help You!

WE TURN THIS



INTO THIS



WITH OUR BELT FILTER PRESS



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CASE STUDY

Application:

- **Small Waste Water Treatment Plant — Michigan**
- **Growing Village with 886 Population per 2000 Census**
- **Nominal 30,000 Gallon Digester Capacity**

Material:

- Aerobically Digested Sludge
- 1.5 — 2 % Solids, Alum Treated

Problems:

- The Dated Plant Design uses Drying Beds that are too small and do not work in all weather.
- Labor and Equipment Cost of Operating the Drying Beds (when they could be operated)
- Sludge Build Up in the Digester which can lead to non-compliant discharges and DEQ fines
- Other Dewatering Solutions (i.e. Sludge Box) did not perform to expectations
- Plant Upgrades still in Design Stage, **Needed a Solution Now**

Solution:

- **Monthly Onsite Contract Dewatering from Bright Technologies**
- **Bright Technologies negotiated the Solid Waste Hauler and Landfill Fees**
- **Bright Technologies pays the Solid Waste Hauler and Landfill fees**
- **The Customer pay one monthly bill for this service**

Statistics:

- Only one day per month required to process with a 0.8 Meter Trailer Mounted Belt Filter Press
- Plant Effluent Water used for Belt Wash (Pump provided by Bright Technologies)
- Belt Press Effluent Returned to Head Works of WWTP
- 30,000 Gallons of Sludge = (1) 20 Cubic Yard Container of Dewatered Sludge

Results:

- **No Capital Equipment Cost**
- **Plant Operations are Cleaner**
- **Labor Cost and Equipment Associated with Drying Beds Not Required**
- **Non-Compliant Discharges (and Fines) Avoided**

CASE STUDY

Application:

- **Small Waste Water Treatment Lagoon — Michigan**
- **Village Lagoons had not been Cleaned in 35 Years**
- **Estimated 3,000,000 Gallons of Anaerobic Sludge**

Material:

- Anaerobically Digested WWTP Sludge
- 2 — 6 % Solids

Problems:

- Sludge Build up in the Primary Lagoon was transferring to the polishing lagoon and threatened to cause non-compliant discharges and DEQ fines
- Residents were concerned about odors and Noise of Operations
- The Village wanted a solution that was Turn Key and could be implemented quickly

Solution:

- **Contract Dewatering from Bright Technologies**
- **2.2 Meter Skid Mounted Belt Press, Sludge Grinder, Dredge and Mixing Tank**
- **Bright Technologies handled all lab testing, transportation and disposal**
- **Bright Technologies analyzed the site and developed a plan for proper equipment and placement to minimize noise and odors**

Statistics:

- Only one month required from set-up to completion
- The sludge was typically dewatered at over 300 gallons per minute
- Cake Solids ranged from 18—30%
- Most Residents were not even aware of the Dewatering operations

Results:

- **Job Completed on Time and Under Budget**
- **Noncompliant Discharges (and Fines) Avoided**
- **The Village saved over \$ 50,000.00 compared to a Comparable Competitive Bid**