



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

**AGGREGATE  
BIOLOGICAL  
CHEMICAL  
FOOD PROCESSING**

**GREASE TRAP  
INDUSTRIAL  
LIVESTOCK  
MEAT PROCESSING**

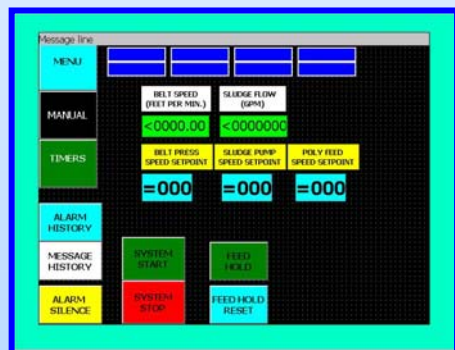
**MUNICIPAL  
PULP & PAPER  
SEPTAGE  
...PLUS MANY MORE**



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



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

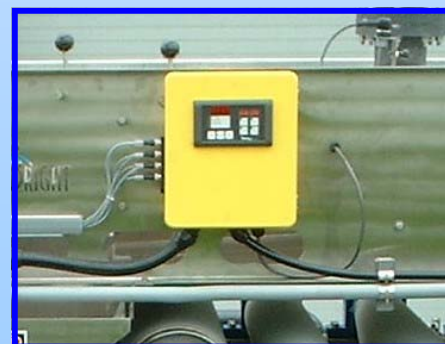


#### State of the Art Controls

- 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



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Distributed By:



# CONTRACT DEWATERING

**Let Bright Technologies help You!**

**WE TURN THIS**



**INTO THIS**



**WITH OUR BELT FILTER PRESS**



**800-253-0532**

**[www.brightbeltpress.com](http://www.brightbeltpress.com)**



# 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**