All the Other “Stuff” You Need

Therese Wheaton
This Morning We Discussed:

Dewatering to Make A Solid Waste
Solid Liquid Separation

Solid Quality            Water Quality
PHASE 1

Provide Exceptional Customer Service!
Flow Meter

Manage Influent Flow
Grit Removal

12,000 to 14,000 Gallons of Receiving Area
One Million Gallons of Trucked Waste EQUALS 12-15 Yards of Grit!
This is what could happen if “GRIT” is not addressed!
Grinding Reduces Particle Size to $\frac{1}{4}''$ to $\frac{3}{8}''$
Pump & Grinder

Reduce Liquid to ¼” to 3/8” Particle Size
Screening Reduces Particle Size to $\frac{1}{4}''$ to $\frac{3}{8}''$
Screening
Screening
PHASE 1

Elevated Screening Devices
Screening
Screening
Screening
Screening
Screening... Used Options for Sale!
Equalization & Storage

- IN: Offload Truck at 500-1000 GPM
- OUT: Process Waste 60-120 GPM
PHASE 2

Holding Tanks...Sized for 50-100% of daily or weekly flow
PHASE 2

- Holding Tanks
- Equalization & Mixing
- pH Adjustment
Mixers
Mixers
Air Mixers
Equalization Tanks
Equalization Tanks
Equalization Tanks
Equalization Tanks
PHASE 3

- Chemical Conditioning
- Polymer
- Chemical Addition
Polymer Addition & Optimization

On Demand vs. Batch Process
ALL DEWATERING...
Chemistry Needs to be Optimum for RESULTS!
ALL DEWATERING...
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ALL DEWATERING...
Chemistry Needs to be Optimum for RESULTS!
Thicken & Decant
Creative Mixing Chamber
Water Quality Standard....Online Chemistry
Tank Management
PHASE 2

pH Adjusting Zone Is Automated for Success
PHASE 2

Lime Stabilization Tank...pH Adjusting Zone
This Is Pumped to the Dewatering Phase...
Thank You!

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“Specializing in Industrial and Municipal Solids-Liquid Separation since 1992”