

SO YOU THINK YOU WANT TO OWN A WASTE TREATMENT FACILITY?



Things to Consider: Your Company

- GALLONS PER YEAR PUMPED
 - Septage
 - Grease
 - Other
- CURRENT DISPOSAL OPTIONS
- CURRENT DISPOSAL LIMITATIONS



Things to Consider: Your Employees

- HOW MANY
- DEDICATED
- DRIVERS OR TRAINED PROFESSIONALS
 - Setting the Bar



Things to Consider: Your Customers

- DEDICATED
- INCREASING CUSTOMER BASE THROUGH OTHER SERVICES
- ARE YOU VIEWED AS A PROFESSIONAL COMPANY OR JUST SOMEONE THEY FOUND IN THE YELLOW PAGES



Things to Consider: Your Competition

- THEIR DISPOSAL OPTIONS?
- ARE THEY COMPETITION OR JUST A NAME IN THE YELLOW PAGES?
- DO YOU WORK TOGETHER ON ANY PROJECTS?
- WOULD A JOINT DISPOSAL FACILITY BE AN OPTION?

Things to Consider Your Facility

- KNOWLEDGE IS KEY
- MORE THAN A MACHINE
- ONE SIZE OR DESIGN DOES NOT FIT ALL
 - DESIGN TO MEET YOUR NEEDS



Creating a Disposal Co.

- NON INDUSTRY INVESTORS
- SEPARATE COMPANY
 - SEPARATE IDENTITY



Disposal or Reuse

- This will play a big part in picking equipment
- DRYNESS CAN MAKE A DIFFERENCE
- SLUDGE
 - Produce Class A
 - Compost
 - Produce Class B
 - Land Application
 - Landfill



Disposal or Reuse

- LIQUID LAND APPLICATION
 - FOLLOW RULES
 - REMOVE TRASH
 - STORAGE
 - PARTNER WITH FARMERS



Disposal or Reuse

- SUPERNATANT
 - WWTP
 - Spray Irrigation
 - Direct discharge



Research

- Technology
- Field Trips
 - Working facilities
 - NAWT Symposium
- Starting small with possibilities to grow
- Start large with room to grow



Pretreatment Processing

- Bar Grates
- Screening
- Silt and Sand



Separation

- Polymer
 - Dry
 - Liquid
- Lime
 - Safety
 - Storage
 - Bulk
 - Bag
- Both



Storage – Liquid & Cake

Need it!!!

- How much may be tied to process disposal or reuse practices
- Inside / outside
- Keeping it mixed
 - Air
 - Mechanical
 - Mixing pumps
- Pumps & conveyors to move material
- Spill control
- Confined space

Dewatering Equipment

- Elevate when possible
- Plan for expansion
- Flexibility
- Moving Cake to Storage, Rolloff – own it or hire it



Choosing the Site

- Neighbors
- Zoning
- Expansion
- Location
- Gravity is your friend
- Cost new vs. existing



Climate

- Outdoor facility
 - Temperature
 - Odors
 - Don't be the smelly neighbor
 - Precipitation
- Indoor facility
 - Odors



The Team

- You “the expert” and your employees
 - Office staff
 - Technicians
 - Operator
 - Will impact equipment choices
 - Engineer
 - Picking the one!
 - Accountant
 - Banker
 - WWTP

Local & State Officials

- BE PREPARED TO EDUCATE
- PRESENT YOUR PLAN
 - DONUTS
- BE CONFIDENT
- GET ER' DONE ADDITUDE!
- BE A PROFESSIONAL
- MAKE THEM PART OF THE TEAM

Sewer Ordinance

- IS THERE ONE?
- DO THEY HAVE A PRETREATMENT ORDINANCE?
- HOW DO I AND CAN I CONFORM TO IT?
- PART OF BUSINESS PLAN
- WILL CHANGE AS WWTP PERMIT CHANGES
- WHEN BUYING YOUR CAPACITY – BUY ENOUGH!

Permits

- STATE OR LOCAL
- REFLECT MATERIALS PROCESSED
- MAY TAKE TIME
- LOTS OF CORRESPONDENCE
- FACILITY STORM WATER CONSIDERATION
- WILL IMPACT OPERATOR CHOICES

Long Term Considerations

- WILL MY WASTE STREAMS CHANGE?
- EQUIPMENT MAINTENANCE AND REPLACEMENT
- TRAFFIC CONGESTION
- URBAN SPRAWL

Construction

- REUSING AN ESTABLISHED SITE
- MY CREW OR HIRING
- NEW VS. OLD
- PUTTING IT ALL TOGETHER SAFELY
- CAN BE FUNCTIONAL, SAFE AND NOT HAVE TO LOOK PRETTY

