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