Septage and Holding Tank Waste Receiving

Stevens Point’s Experiences
Motivating Factors

- Even out loadings
- Stabilize Bio-P process
- Increased biogas production
- Tipping Fee Revenue
- Best way as a region to handle the material
Influent Loadings 2008 - 2011

- Daily Average
- Monthly Max Average
- Design loading BOD
- 90% Design BOD
Solids Processing Upgrade

- Capacity Re-rate
  - Converted secondary digester to a primary digester
    - 428,000 gallons to 735,000 gallons (Mesophilic)
    - 8,196 lbs BOD/day to 10,400 lbs BOD/day
Plant Loading 2008–2014

- Daily Average
- Monthly Max Average
- Design loading BOD
- 90% Design BOD
Learning Opportunities
Time to Adapt

- 2014 Brewery HSW project
  - Removed over 500 lbs BOD/day

- 2016 Increased tipping fees
  - Increased septage fees by 36%
  - Increased holding tank fees by 86%
    - loadings changed less than 1%

- May 2017 limited haulers to single load/day
  - More allowed with permission
Plant Loadings 2008 – 2017

- Daily Average
- Monthly Max Average
- Design loading BOD
- 90% Design BOD
Received Wastes in 2017

- **Septage**
  - 4628 gallons/day
  - 280 lbs BOD/day
  - 396 lbs TSS/day

- **Holding**
  - 5288 gallons/day
  - 112 lbs BOD/day
  - 173 lbs TSS/day

- **High Strength**
  - 8415 gallons/day
  - 5085 lbs BOD/day
  - 3506 lbs TSS/day
Future Plans?

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