Stevens Point’s Path To Class A Biosolids

Stevens Point WWTP

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Spring Biosolids Symposium

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Biosolids Summary

2.4 MGD Influent
6,000 GPD Primary Sludge
8,000 GPD TWAS
14,000 GPD HSW

10.22 MG/yr Digested Sludge
444 Metric Tons Biosolids
1678 cubic yards/yr
Class B Land Application Issues

Land Availability
Competition
Groundwater Protection
Vegetable Crops

Unreliable Hauling
Weather
Contractor Availability
Goals of Biosolids Processing

Operator Safety
Proper Biosolids Reuse
Energy Efficient
Building Reuse
Ease of Operation
Low O&M Cost
Increased Capacity
Reliable Biosolids Removal
Possible Class B Options

- Halt High Strength Program
- Increase Storage
- In House Land Application
- Combination of All 3
Possible Class A Options

Thermally Treated / Liquid

pH Treated Solids

Compost

Thermally Treated / Dried
Thermally Treated / Dried

Utilized existing structures
Excess Garage Space
Storage to Digestion

Utilized Biogas for Heat
Indirect Heat with Thermal Oil

Anaerobic Digestion
Belt Filter Press to Dewater
Paddle Dryer for Drying
Drive Under Silo for Storage
Biosolids Reuse Options

Public Distribution

Non-Metallic Mining Reclamation

Partner with a Compost Company

Golf Course Fertilizer

Agriculture Fertilizer
Andritz Paddle Dryer
Questions?