

TAKE A LITTLE MORE OFF THE TOP

A Review of Small-Footprint RBFs
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Director of Sales



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Your plant

Your issues might show up here...




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You know your plant would function better

with reduced loading to secondary treatment?

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graph LR; A[Primary Treatment] --> B[Secondary Treatment]; B --> C[Tertiary Treatment];
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But you see hurdles to plant optimization

- Capital cost
- Real estate



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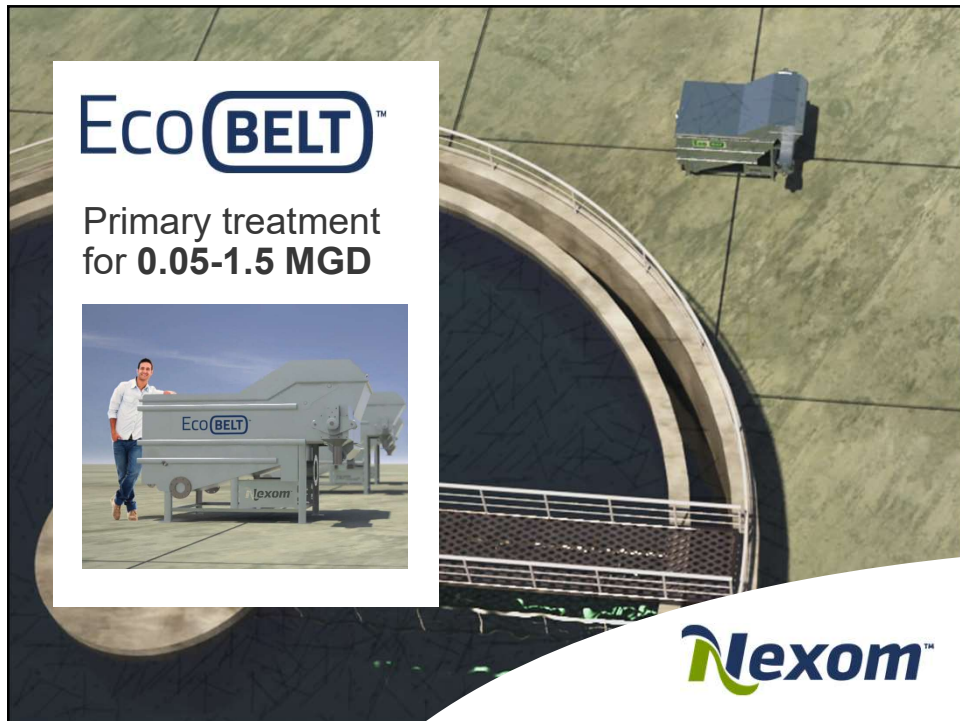
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Eco(BELT)™ Applications

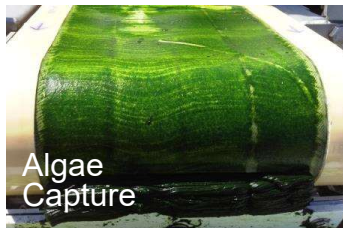
- Grit Removal
- Fine Screening
- Dairy Industry
- Textiles
- Aquaculture
- Agriculture
- Tanneries
- Primary Clarification
- Poultry & Beef Processing
- Sewer Overflow
- Pulp and Paper Industry
- Membrane Pretreatment
- Sludge & Scum Thickening
- Fruit & Vegetable Processing



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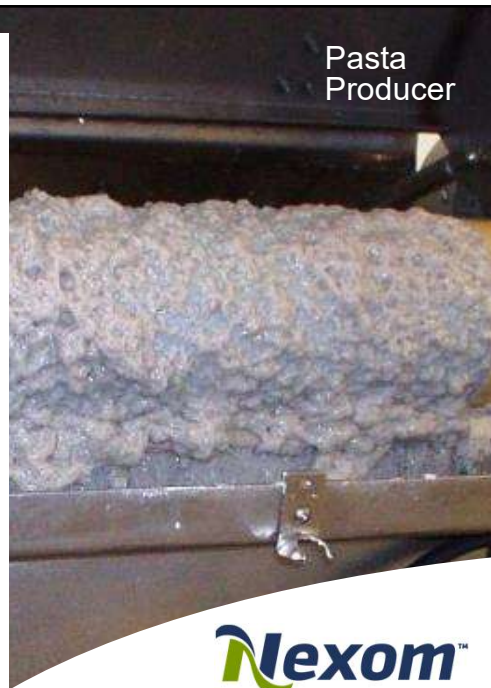
Industrial Applications

- Economic solids mitigation.
- Retrofits to existing systems without expansive redesign or construction.

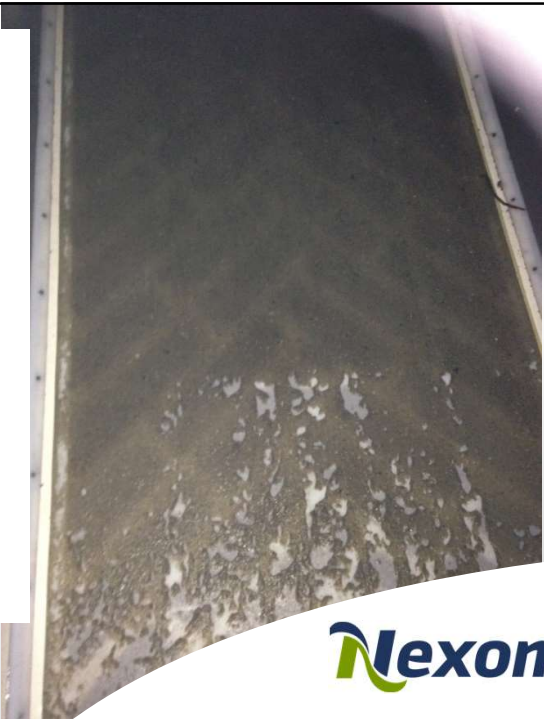


Algae Capture

Pasta Producer



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Belt Pattern

Chevron pattern reduces strain.

Maximizes filtration area, minimizes dead area.

Increases belt life.



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Dewatering

Screw press dewateres up to 40% dry solids

...or take a wet slurry to your digester



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Belt cleaning

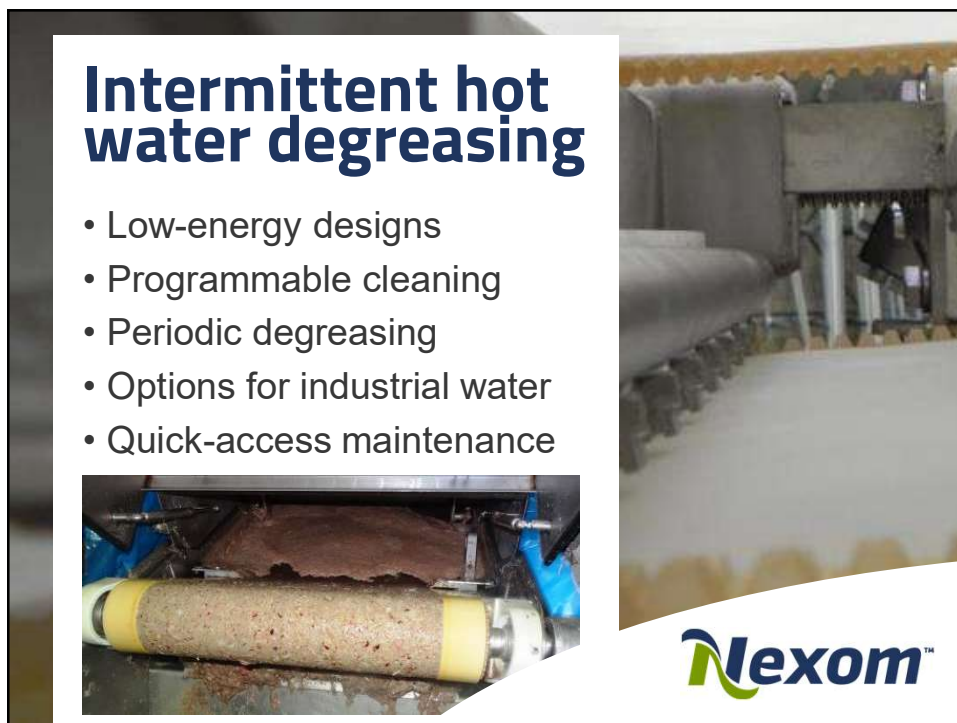
Doctor blade removes solids



Optional Waterjet removes fats, oils and greases with less energy





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Intermittent hot water degreasing

- Low-energy designs
- Programmable cleaning
- Periodic degreasing
- Options for industrial water
- Quick-access maintenance



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Key Eco(BELT)[™] Advantages

- Improve overall plant performance
- Improve headworks (grit, rags, plastics)
- Less solids/RAS/WAS handling/capacity
- Save aeration energy costs
- Save clarification energy costs
- Likely eliminate need for secondary process expansion
- Save land for additional clarifiers



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Cartridge Maintenance

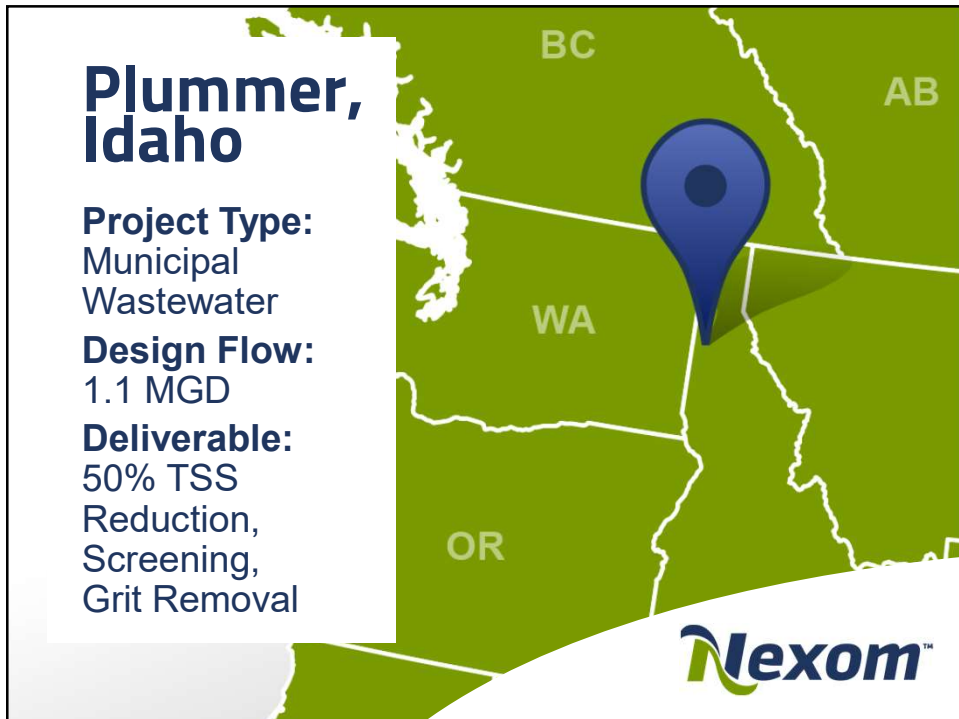
- Belt life is 1-3 years
- Only 1 hour for change out
 - Motor and gearbox
 - Pulley bearings
 - Skid plates
 - Cleaning system
 - Wear parts
 - Adjustments
 - Filter belt
 - Polyester self-aligning belt



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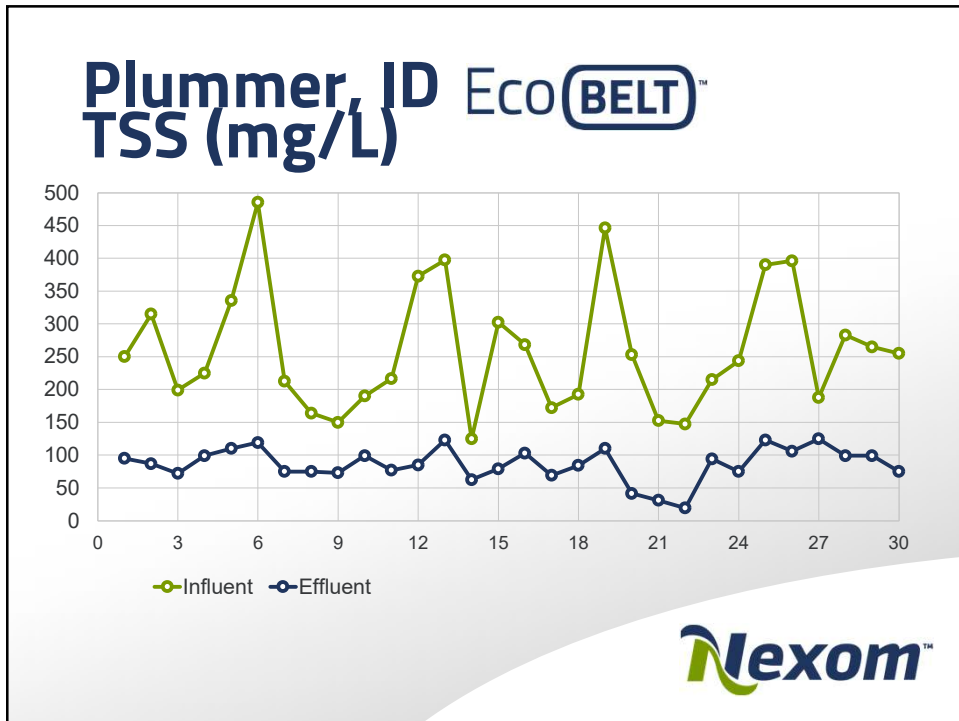
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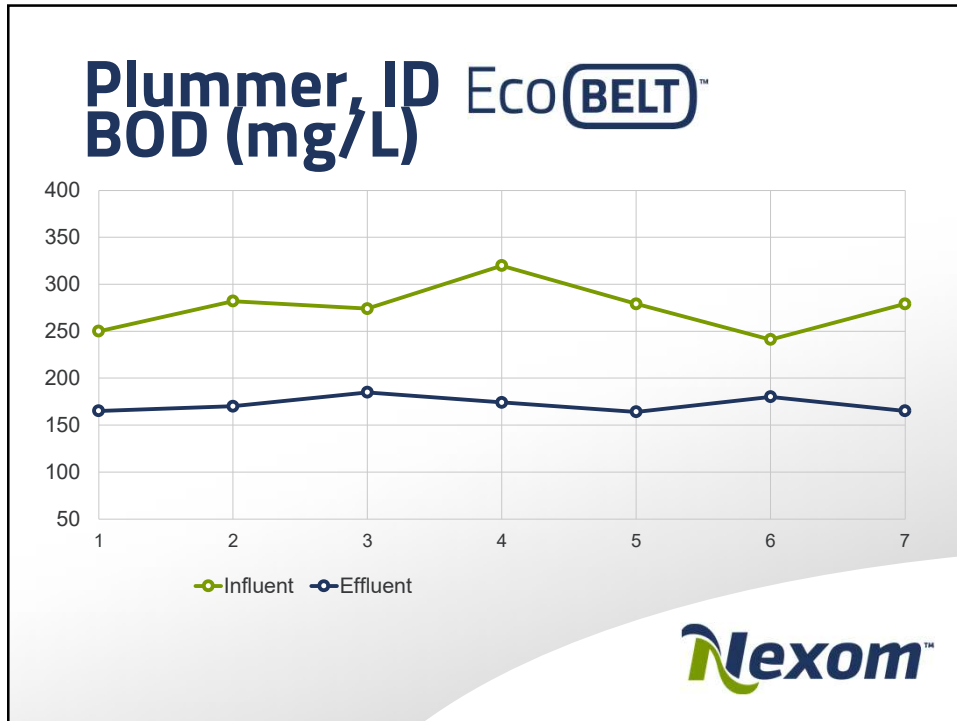
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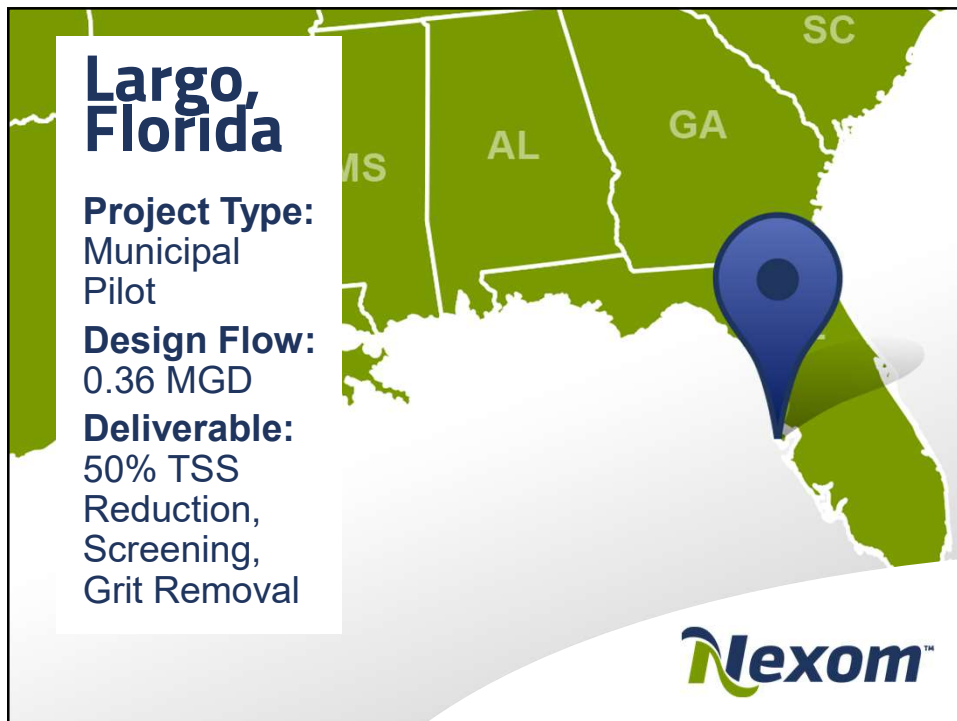
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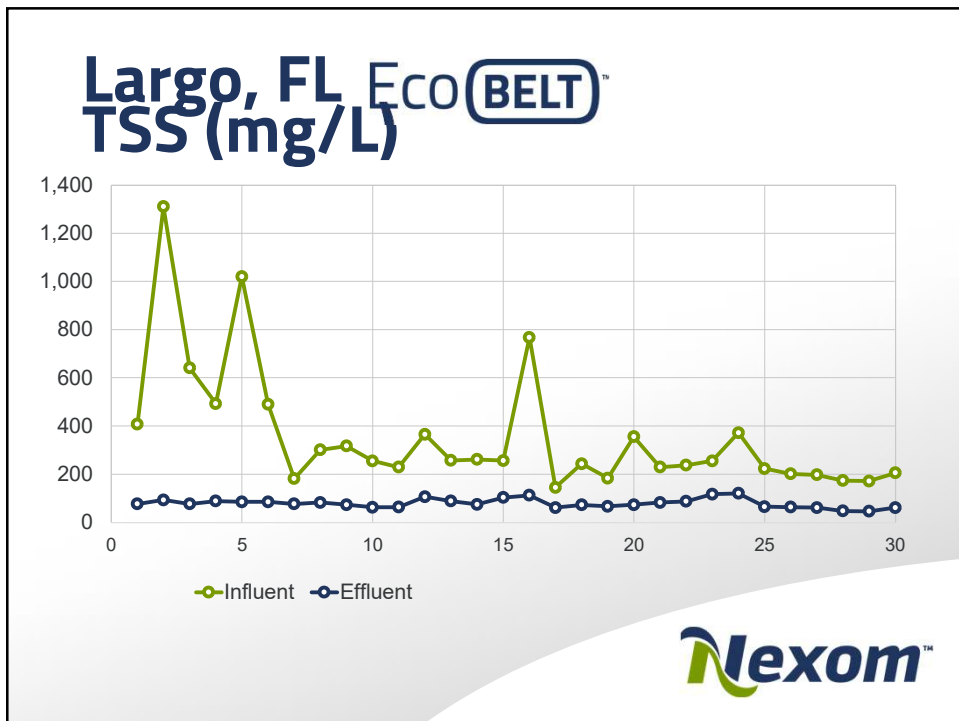
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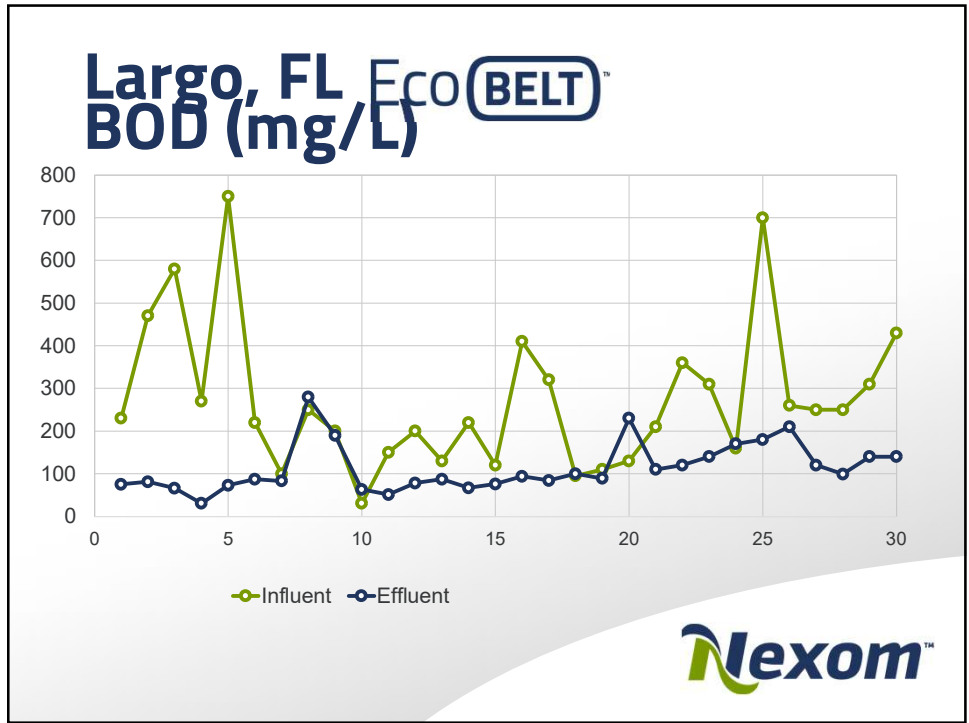
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Valparaiso, Indiana

Project Type:
Municipal Wastewater

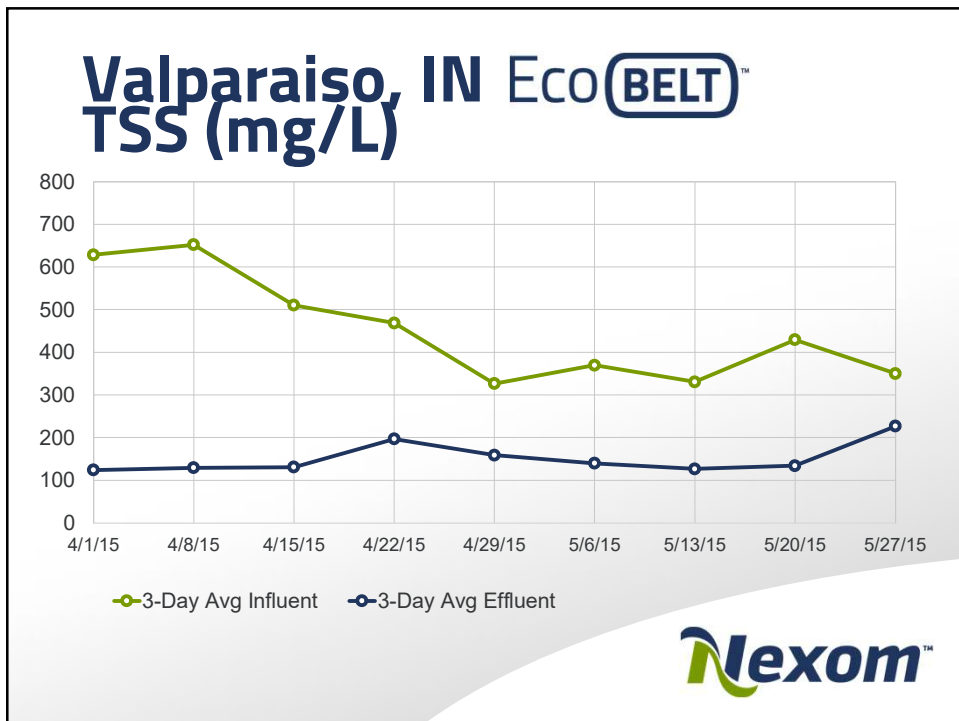
Design Flow:
1.5 MGD

Deliverable:
50% TSS Reduction,
Screening,
Grit Removal

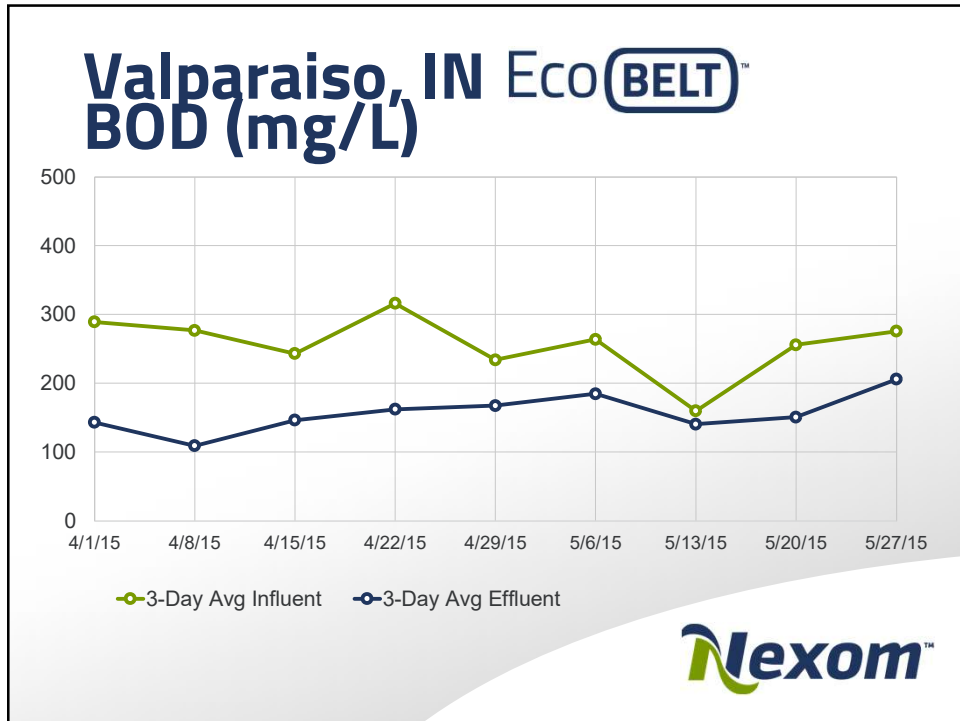
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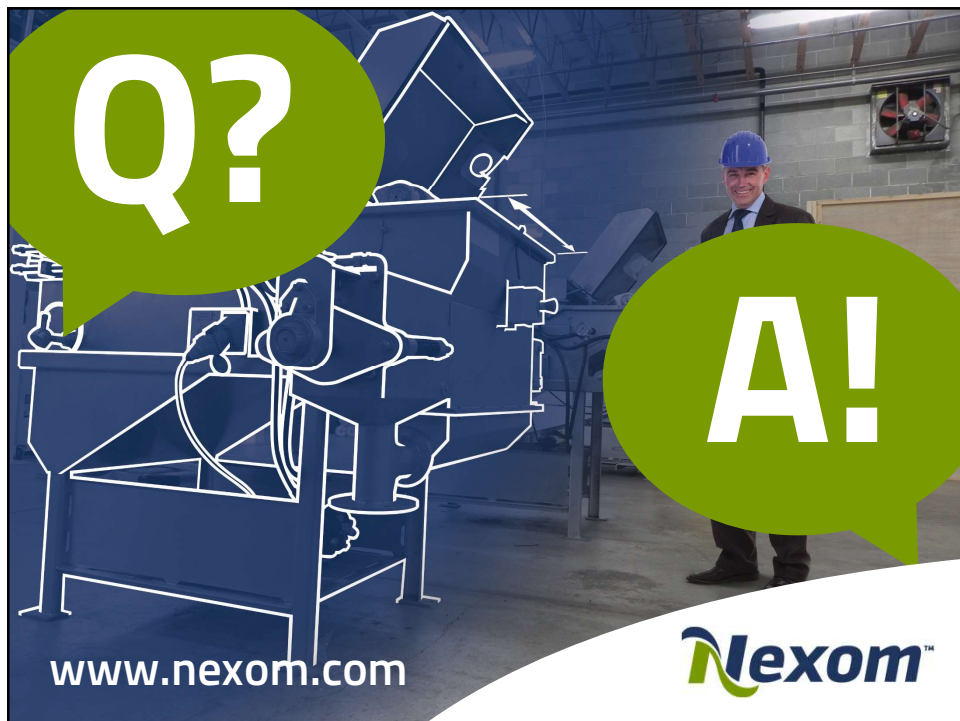
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