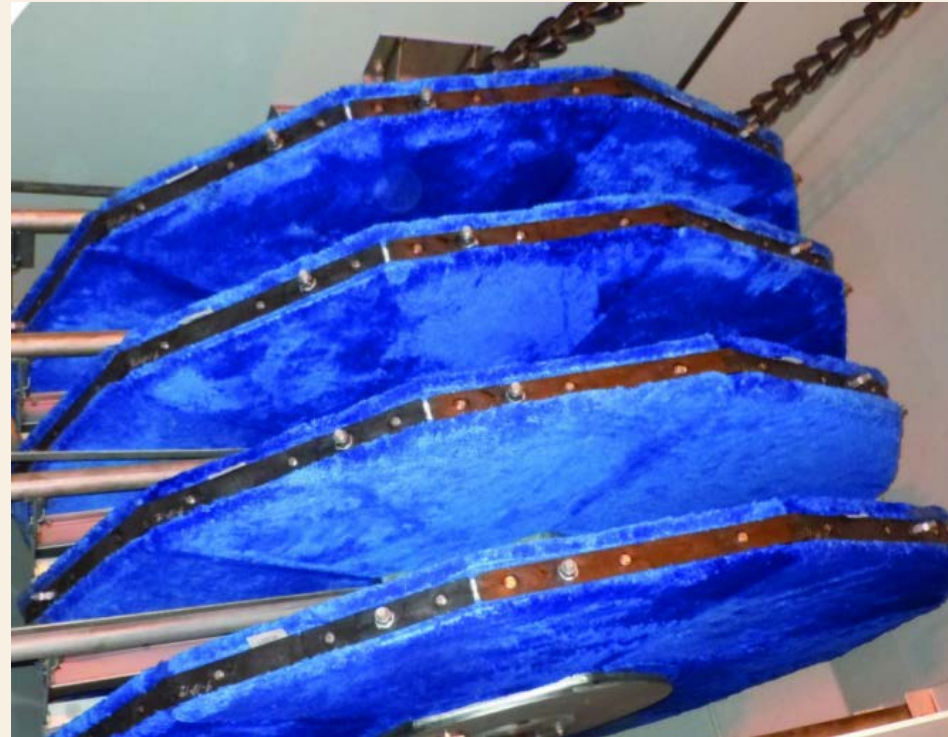


An abstract geometric design on the left side of the slide. It features a dark blue background with various geometric shapes and patterns. A white circle is positioned near the top left. Below it, a light blue semi-circle is visible. To the right of the semi-circle, there are concentric circles. Further down, there are several parallel lines forming a series of nested rectangles. The design is composed of various shades of blue, purple, and pink.

TERTIARY FILTER PILOT

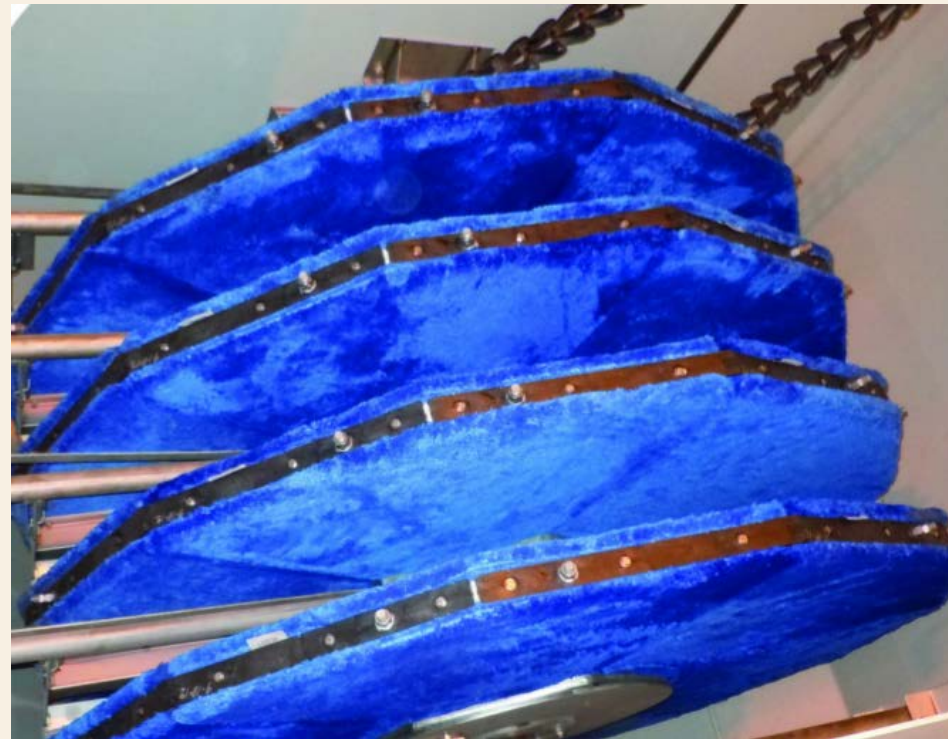
GENERAL PILOT INFORMATION

- Cloth media filter housed in a trailer
- Pilot trailer specifications:
 - Filter area – 10.8 sq. ft
 - Average design flow – 35 gpm
 - Maximum design flow -70 gpm

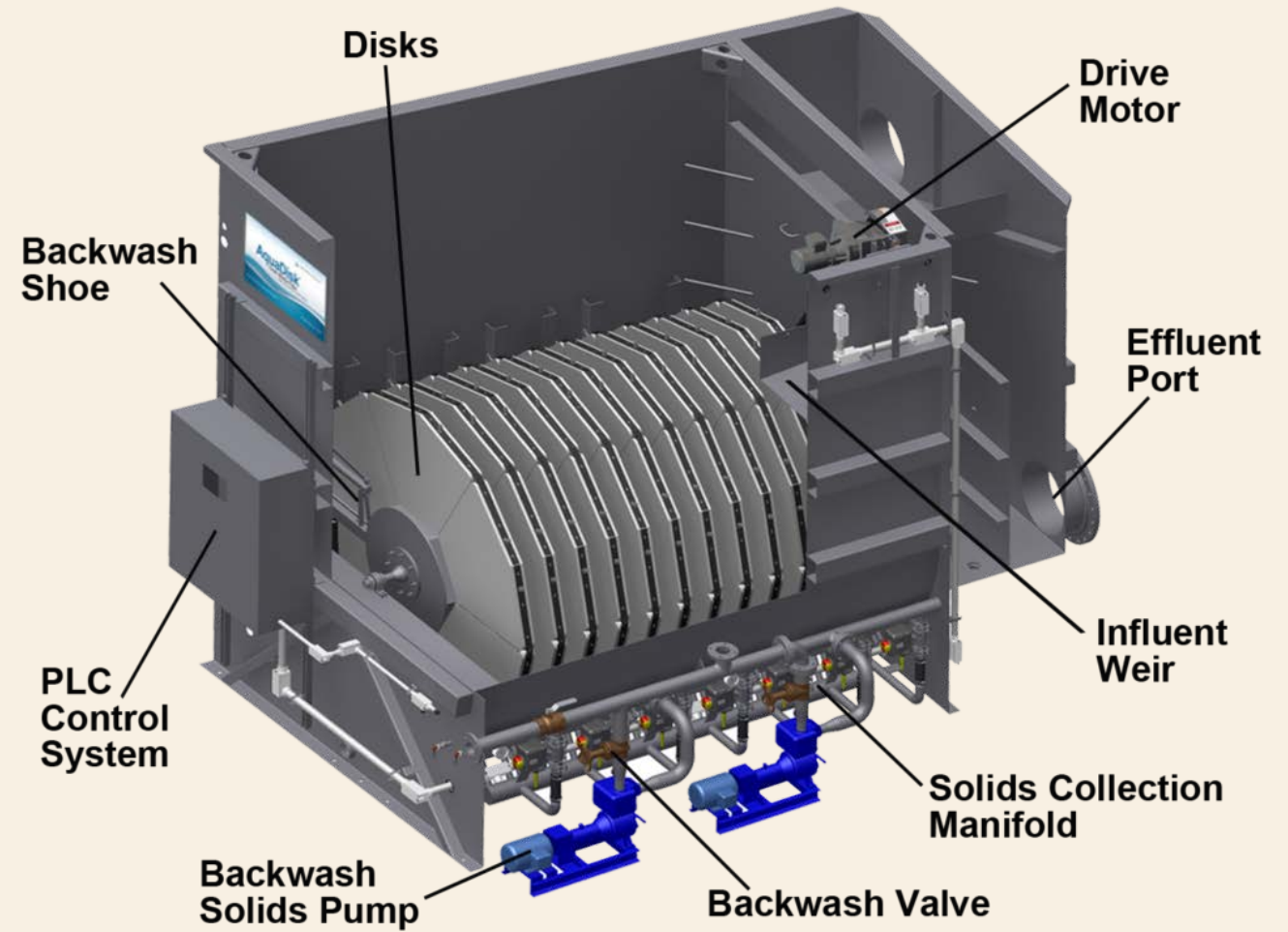


GENERAL PILOT INFORMATION

- Two ortho phosphate analyzers along with a monitoring and control system allow for real-time phosphorus control.
- SCADA system tracks process parameters including backwash information, influent flow, ortho phosphate, and turbidity.



AQUA DISK FILTER



PILOT SETUP AT TREATMENT PLANT





SCHEDULE

- October 22 – pilot trailer arrived on site
- October 23 – pilot trailer set up
- October 24 – introduced flow and tested equipment
- October 27 – begin data collection
- November 6 – stop data collection
- November 7 – pilot trailer removed from site



GOALS OF PILOT

- Reduce Effluent Total Phosphorus
- Reduce Effluent Total Suspended Solids (TSS)
- Reduce Total Nitrogen
- Potential basis of design for tertiary treatment at Wastewater Treatment Plant

An abstract geometric design on the left side of the slide. It features a dark blue background with various geometric shapes and patterns. A white circle is positioned near the top left. Below it, a light blue semi-circle is visible. To the right of the semi-circle, there is a pink triangle with diagonal lines. Further down, there is a pink square with a pattern of concentric lines. At the bottom, there is a pink triangle with a pattern of concentric lines. The overall design is modern and minimalist.

QUESTIONS?