

## Effluent Filtration / Cloth Media Disk Filter Project - Monthly Summary of Activities

12/22/20 Filter project kick off meeting – via Zoom

Donohue and the District held meeting remotely to kick off the filter project. Agenda discussion items are listed below and are as one would expect to see at the inception of the planning and design for the project. The following items listed below were covered:

1. Overview
2. Project Background
3. Objectives
4. Scope of Services
5. Deliverables
6. Key Personnel
7. Communication Protocols
8. Schedule
9. Material Preferences
10. Operating Strategies
11. Other Discussion Items

1/8/21 Filter project – Instrumentation and Controls – via Zoom

Second planning session that focused on existing site SCADA and the integration of the filtration equipment. Confirmed existing network and PLC's and filter controls and battery backups. Discussed concepts on instrumentation, equipment and device tagging, alarms and control access (local, SCADA, and Remote) for the filters.

Kruger to analyze District effluent for startup chemical feed and floc formation with various coagulants and polymer.

### **Scheduled activities:**

1/14/21 Kruger Filter Site visit – Oconomowoc, WI

Site visit to active Kruger first generation filter installation. Day trip to provide the District opportunity to see filters in operation and to discuss with Oconomowoc staff its operating parameters and the pros and cons in the operation and care for the filtration equipment.

1/20/21 Kruger Filter Site visit – Medford, WI

Site visit to Donohue client in Medford whose installation is the newest and most recent completed project. Install has full chemical feed/conditioning and is most like the District's filter project although smaller. Medford has been in operation a short time and producing ultra-low level phosphorus concentrations in its effluent to below 0.075 mg/L.