AQUA-AEROBIC SYSTEMS, INC.
A Metawater Company

AquaPrime™ Cloth Media Filtration

Aqua-Aerobic Systems, Inc. (AASI) has developed a new advanced primary/wet weather treatment process, AquaPrime™ Cloth Media Filter, for the treatment of primary wastewater and wet weather flows. The AquaPrime™ System provides a higher effluent quality than achievable with conventional treatment solutions. AASI has launched a marketing and product introduction effort to acquaint consulting engineers and municipal wastewater professionals with the benefits of this technology. These benefits include:

- Higher Effluent Quality
  - Typically greater than 80% TSS removal
  - Typically, 40 to 60% total BOD removal
- Reduction in Secondary Treatment Costs Due to Reduced Organic Loading
- Increased Removal of Primary Sludge for Digestion in an Anaerobic Digester for Increased Biogas Production
- Construction Savings due to a Footprint which is approximately 10% to 15% of conventional Primary Treatment
- Increased Capacity in Secondary Treatment Process Due to Reduce Loadings
- Ability to be used for Wet Weather Treatment in multiple configuration
  - Remote Site Treatment of Stormwater, SSO or CSO
  - Side-Stream Treatment in the WWTP of Wet Weather Flow
  - Dual Treatment of Tertiary Filtration and Wet Weather Flow

The AquaPrime™ Cloth Media Filter removes solids from primary or wet weather applications by having three zones in the treatment process which consist of the floatable, settled and filtration zones. Solids are removed from these zones utilizing three different methods. The AquaPrime™ process has the following features:

- Fully Automated with PLC Control
- Lightweight Filter Media With Removable Segments for Maintenance
- Effective Backwash System to Remove Trapped Solids from the Filtration Zone
- Specifically Designed Floatable and Solids Removal Zones
- Automatic Startup with Unattended Operation for Remote Locations

Attached for your review are brochures describing this new advanced treatment technology. Pilot units are available to demonstrate the effectiveness of the system and develop design criteria for full-scale implementation.

I will be contacting you to schedule a visit to your office to acquaint you and your staff with this new technology. In the meantime if you have a potential project you would like to discuss, or have any questions about this technology please give me a call or drop me an e-mail.

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