VA Municipal Water and Wastewater Processes



AERATION

Aeration Industries (Floating Aerators)
Landia (Venturi Air Jet)
Kruger (Coarse/Fine Bubble, Surface)
PB Equipment (Plate Aerator)
GH Systems (Medium Bubble, Valves and piping from blower to air release)

AIR SCRUBBERS/ODOR CONTROL

Vapex (Odor Control – FOG Reduction)

BIOLOGICAL TREATMENT

Aeration Industries (SBR, Tri-Oval) Kruger (IFAS, MBR, MBBR, Ditch, BioStyr (BAF), Hybas, Anita Mox) Fibracast (MBR Fibreplate)

REVERSE OSMOSIS

Desalitech (Closed Circuit RO)

FILTRATION

Kruger (Discfilter)

SCREENING/HEADWORKS

John Meunier (Screens, Compactors, Multi-Rake Bar Screens, & Grit Collectors) PB Equipment (Grit Cyclone & Classifier, Manual Screen & Screen Boxes) GH Systems (Aerated Grit)

SEDIMENTATION/CLARIFICATION

Kruger (ACTIFLLO)
Trident (Dissolved Air Flotation Systems)
Aeration Industries (SBR)
GH System (Clarifiers - Bridge and Pier
Supported Hydraulic Differential & Plow,
Reactor Clarifier)

CHEMICAL FEED

Heartland Pump & Process
(Chemical Feed Skids)
John Meunier (HydroPol Polymer Prep)
PB Equipment (Chemical/Polymer Feed)

COLLECTION SYSTEM

Vapex Odor Control – FOG Reduction) Landia (Chopper Pumps)

DISINFECTION

Glasco (Ultraviolet – Vertical, Chambered, Horizontal, Non-Contact)

THICKENING/DEWATERING

Pieralisi (Centrifuges)
Trident (Wave Thickeners, DAF)
Kruger (Struvia - Nutrient Recovery Process)

DIGESTION/SLUDGE STABILIZATION

Anaergia (High Solids Anaerobic Digestion)
Kruger (Thermal Hydrolysis, Struvia Nutrient
Recovery, BioCon Dryer)
Aeration Industries (Floating Aerators)
Landia (BioGas anaerobic digestion
process)
Pieralisi (Centrifuge)
GH Systems (Aerobic Digester System,
Circular Gravity Thickener)

INSTRUMENTATION & CONTROL

Kruger (STAC, SCADA) John Meunier (HydroPol)

MIXING

Kruger (Stamo Agitator)
Aeration Industries (Floating Mixer)
PB Equipment (Draft Tube Mixers)

Valves/Gates

PB Equipment (Telescopic Valves, Weir and Sluice Gates)

PUMPS

Landia (Chopper Pump) GH Systems (Airlift Pumps)

BLOWER

Kaeser (Screw Blower, Rotary Lobe Blower)

STRUCTURAL STEEL

PB Equipment (Walkways, platforms, stairs, etc.)