# NC/SC Municipal Water and Wastewater by Processes



### **AERATION**

Jaeger-Aeration (Strip, Tube & Disc Diffusers)

**Aeration Industries** (Floating Aerators)

Landia (Venturi Air Jet)

ClearStream (Jet Aeration)

Kruger (Coarse/Fine Bubble, Surface)

**Ekoton** (Tube Diffusers)

**PB Equipment** (Plate Aerator)

**GH Systems** (Medium Bubble, Valves & Piping)

### AIR SCRUBBERS/ODOR CONTROL

*Vapex* (Odor Control – FOG Reduction)

Neutralox (Odor Control)

#### **REVERSE OSMOSIS**

Wigen (RO)

# **BIOLOGICAL TREATMENT**

Jaeger-Aeration (Strip, Tube & Disc Diffusers)

Aeration Industries (SBR, Tri-Oval)

Kruger (IFAS, MBR, MBBR, Ditch, BioStyr (BAF), Hybas, AnitaMox)

ClearStream (DAF, SBR, Ditch)

Fibracast (MBR Fibreplate)

Wigen (MBR, Ion Exchange)

Cloacina (Package MBR, Package WW System)

#### **BIOGAS**

Nissen (Engine)

# **FILTRATION**

**Kruger** (Discfilter)

Wigen (NF, UF, MF, Gravity, Pressure (horiz. & vert))

### **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)

ClearStream (Suction, Solids Contact, Suction Pipe, Spiral Blade, Segmented Blade Clarifiers)

**Trident** (Dissolved Air Flotation Systems)

Aeration Industries (SBR)

GH System (Clarifiers - Bridge & Pier Supported Hydraulic Differential & Plow, Reactor Clarifier)

### **CHEMICAL FEED**

**Heartland Pump & Process** (Chem Feed skids) John Meunier (HydroPol Polymer Prep)

PB Equipment (Chem/Poly Feed)

# **COLLECTION SYSTEM**

Vapex (Odor Control – FOG Reduction)

Landia (Chopper Pumps)

### DISINFECTION

Glasco (UV - Vertical, Chambered, Horizontal, Non-Contact)

# THICKENING/DEWATERING

Pieralisi (Centrifuges)

ClearStream (Circular Thickeners)

FKC (Screw Press, Rotary Drum, Screw Thickener)

**Trident** (Wave Thickeners, DAF)

**Kruger** (Struvia - Nutrient Recovery Process)

**Ekoton** (Multi-disc Screw Dehydrator)

Cloacina (Package Sludge Handling)

GH Systems (Circular Gravity Thickener)

# **DIGESTION/SLUDGE STABILIZATION**

Kruger (Thermal Hydrolysis, Struvia Nutrient Recovery, BioCon Dryer)

**Aeration Industries** (Floating Aerators)

**Landia** (BioGas anaerobic digestion process)

Pieralisi (Centrifuge)

**Ekoton** (Tube Diffusers)

ClearStream (Digester Covers)

Anaergia (High Solids Anaerobic Digestion, Nutrients and Digestate Management)

GH Systems (Aerobic Digester System)

### **INSTRUMENTATION & CONTROL**

Kruger (STAC, SCADA)

John Meunier (HydroPol)

Cerlic (TSS, DO)

XiO (Cloudbased SCADA)

ChemScan (Analyzers nitrate, nitrite, ammonia, ortho phosphate; chloramination, iron, manganese, nitrate, hardness, color, and organics)

### MIXING

*Mixtec* (Mixers & Agitator)

Kruger (Stamo Agitator)

**Aeration Industries** (Floating Mixer)

Anaergia (High Solids Anaerobic Digestion)

**PB Equipment** (Draft Tube Mixers)

# **VALVES/VALVE ACTUATORS/GATES**

Crispin Valve (Air Release, Butterfly, Check, Plug, Gate) RW Gate (Fabricated Stainless Steel Sluice Gate, Slide Gate, Stop Log Assemblies, Stop Gates, Flap Gates, Telescopic Valves, Mud Valves, Shear Gates)

### **PUMPS**

Landia (Chopper Pump) **PCM** (Progressive Cavity Pumps)

GH Systems (Airlift Pumps)

# **BLOWER**

Kaeser (Screw Blower, Rotary Lobe Blower)

# STRUCTURAL STEEL

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

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