# NC/SC Municipal Water and Wastewater by Processes



#### **AERATION**

Jaeger-Aeration (Strip, Tube & Disc Diffusers)

**Aeration Industries** (Floating Aerators)

Landia (Venturi Air Jet)

**Parkson** (Jet Aeration)

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)

Envea (Odor Monitoring)

## **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, Anita Mox)

Parkson (SBR)

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)

St. Jernholm (Grit/Sand Washer)

## 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)

## **BLOWER**

Kaeser (Screw Blower, Rotary Lobe Blower)

## **CHEMICAL FEED**

Heartland Pump & Process (Chem Feed Skid) 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) **Em0**<sub>3</sub> (Ozone)

## THICKENING/DEWATERING

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)

V-Fold (Belt Filter Press)

## **DIGESTION/SLUDGE STABILIZATION**

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

**Aeration Industries** (Floating Aerators)

Landia (BioGas anaerobic digestion process)

**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)

XiO (Cloud SCADA)

Cerlic (TSS, DO)

**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, plug, check)

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)

## **STRUCTURAL**

Octaform (Concrete Wall Forming System)

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