

NC/SC Municipal Water and Wastewater Processes



AERATION

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)

REVERSE OSMOSIS

Desalitech (Closed Circuit RO)
Wigen (RO)

BIOLOGICAL TREATMENT

Aeration Industries (SBR, Tri-Oval)
Kruger (IFAS, MBR, MBBR, Ditch, BioStyr (BAF), Hybas, Anita Mox)
ClearStream (DAF, SBR, Ditch)
Fibracast (MBR Fibreplate)
Wigen (MBR, Ion Exchange)
Cloacina (Package MBR, Package WW System)

FILTRATION

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

SCREENING/HEADWORKS

Hydro-Dyne (Multi-Rake, Through Flow, Centerflow Screens, Compactors & Grit Collectors)
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, NO₂ & NO₃)
ChemScan (Analyzers nitrate, nitrite, ammonia, ortho phosphate; chloramination, iron, manganese, nitrate, hardness, color, and organics)

MIXING

Kruger (Stamo Agitator)
Aeration Industries (Floating Mixer)
Anaergia (High Solids Anaerobic Digestion)
PB Equipment (Draft Tube Mixers)

VALVES/VALVE ACTUATORS/GATES

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)

CONVEYING EQUIPMENT

KWS (Screw/Belt/Drag Conveyors, Bucket Elevators, Slide Gates, Screw Feeders & Live Bottoms)

BLOWER

Universal Blower PAC (Screw Blower)

STRUCTURAL STEEL

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