

NC/SC Municipal Water and Wastewater by Processes

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AERATION

Aeration Industries (Floating Aerators)
Landia (Venturi Air Jet)
ClearStream (Jet Aeration)
Kruger (Coarse/Fine Bubble, Surface)
PB Equipment (Plate Aerator)
GH Systems (Medium Bubble, Valves & Piping)

AIR SCRUBBERS/ODOR CONTROL

Envea (Odor Monitoring)
Veolia (Hydrex Chemical, Air Scrubber)

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)
Lemna (Lagoon)
Nuvoda (MOB – MBBR)

BIOGAS

Nissen (Engine)

BLOWER

Kaeser (Screw Blower, Rotary Lobe Blower)

CHEMICAL FEED

John Meunier (HydroPol Polymer Prep)
PB Equipment (Chem/Poly Feed)

CONTROLS

Elcon Technologies (Power & Controls)

COLLECTION SYSTEM

Landia (Chopper Pumps)

DIGESTION/SLUDGE STABILIZATION

Kruger (Struvia Nutrient Recovery, BioCon Dryer)
374Water (Sludge Distraction)
Aeration Industries (Floating Aerators)
Landia (BioGas anaerobic digestion process)
ClearStream (Digester Covers)
Anaergia (High Solids Anaerobic Digestion, Nutrients and Digestate Management)
GH Systems (Aerobic Digester System)

DISINFECTION

Glasco (UV - Vertical, Chambered, Horizontal, Non-Contact)
Em0₃ (Ozone)

FILTRATION

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

INSTRUMENTATION, CONTROL & ANALYZERS

Kruger (STAC, SCADA)
Elcon (Integration, PLC, HMI, MCC, Control Panels)
John Meunier (HydroPol)

XiO (Cloud SCADA)

Consibio (Sewer Monitoring)

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

MIXING

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

PUMPS

Landia (Chopper Pump)
GH Systems (Airlift Pumps)

REVERSE OSMOSIS

Wigen (RO)

SCREENING/HEADWORKS

John Meunier (Screens, Compactors, Back Cleaning Bar Screen, & Grit Collectors)
PB Equipment (Grit Cyclone & Classifier, Manual Screen & Screen Boxes)
GH Systems (Aerated Grit)
Passavant-Geiger (Center Flow, Climber, Spiral Sieve, Rotary Drum and Bar Screens)

SEDIMENTATION/CLARIFICATION

Kruger (ACTIFLO)
AET (Tube Serttler, Lamella Clarification, Chain and Flight)
ClearStream (Suction, Solids Contact, Suction Pipe, Spiral Blade, Segmented Blade Clarifiers)
Passavant-Geiger (Adapt Clarifier)
Trident (Dissolved Air Flotation Systems)
Aeration Industries (SBR)
GH System (Clarifiers - Bridge & Pier Supported Hydraulic Differential & Plow, Reactor Clarifier)

STRUCTURAL

Octaform (Concrete Wall Forming System)
PB Equipment (Walkways, platforms, piping, stairs, etc.)

THICKENING/DEWATERING

ClearStream (Circular Thickeners)
FKC (Screw Press, Rotary Drum, Screw Thickener)
Trident (Wave Thickeners, DAF)
Kruger (Struvia - Nutrient Recovery Process)
Cloacina (Package Sludge Handling)
GH Systems (Circular Gravity Thickener)
BrightTechnologies (Belt Filter Press)

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)

