

# Cornerstone

Striving to be the most valuable partner in water treatment!

Phone : 770-742-3321 [www.cornerstoneh2o.com](http://www.cornerstoneh2o.com)



Smith & Loveless Inc.  
Above All Others™



BIOSOLID PROCESSING  
AS A SERVICE



# Cornerstone H2O Solution Offering

## Advanced Oxidation

- Peroxide + Ozone
- Photo-Catalytic Oxidation
- Electro-Oxidation

## Aeration

- Fog Log Aerator/Mixer
- Oxidation Ditch Aerators

## Algae Control

- Solar Wave Generator

## Ammonia Reduction

## Baffle Curtains

## Blowers

- Positive Displacement Blowers
- High Speed Turbo Blowers
- Regenerative Blowers
- Sliding Vane Compressors
- Sound Enclosures

## BOD Reduction

- Solar Wave Generator

## Chemical Feed Systems

- Dry Chemical Feed

## Chlorine

- On-site NaClO Generation

## Clarifiers

- Tube Settlers
- High Rate Clarifier
- Pulsating Clarifier
- Cross Flow Clarifier
- Ballasted Clarifier
- Bridge Supported
- Center or Peripheral Feed

## Conveyors

- Shafted Conveyors
- Shaftless Conveyors
- Belt Conveyors

## Covers

- Geomembrane
- Digesters, Launder
- Lagoons
- Grid Covers

## Disinfection

- On-Site Cl & NaOCl Generation
- UV Disinfection
- UV + Titanium Dioxide

## Digesters

- Aerobic, Anaerobic

## Electric Actuators

## Filtration

- Pile Cloth Media Filter
- Disc Filter
- Greenleaf/Cluster Filter
- Floating Bead Filter
- Traveling Bridge/ABW Filter
- Microfiltration
- Ultrafiltration
- Nanofiltration
- Reverse Osmosis
- Denite Filter
- High Solids Water Recovery System
- Cloth Media
- Pressure Filters
- Carbon Filters
- GAC Filters
- RO Skids

## Flotation

- DAF

## Gasification

- Recovery of thermal energy from the drying of biosolids
- Gasification as a service

## Grinders/Macerators

- In-Line Pipe Grinders
- In-line Macerators

## Grit Removal Systems

- Classifiers
- Vortex
- Grit Trap
- Concentrator
- Washers

## HaloAcetic Acid (HAA) Reduction

## Headworks

- Package Headworks

## Incinerators (HTFB)

## Inclined Plate Settlers

## Knife Gates

## Lagoon Remediation

- Oxidation/Reduction of Sludge

## Liners, Geomembrane

- Liners for tanks, lagoons, ponds

## Media

- Puracite, Anthracite, Sand
- Greensand
- Bead Media

## Membrane

- Membrane Bio-Reactor (MBR)
- Micro filtration
- Ceramic Ultra Filtration

## Mixers

- Fog Log Mixer/Aerator
- Open Channel Mixers
- Static Mixers
- Agitators
- Pipeline Mixers

## Odor Control

- Photoionization

## Oxidation Ditch Aerators

## Ozone Systems

## Package Headworks

## Package Pump Stations

## PFAS/PFOA Removal

## Phosphorus Removal

- High-Rate Solids Contact Clarifier
- Biological Filtration

## Polymer Feed Systems

## Pressurized Solution and Gas Injection

- CO2/Gas Injection
- pH Control

## Pumps

- Vertical Turbine
- Split Case
- Rotary Lobe
- Rotary Lobe Hose
- Grit Pumps
- Peristaltic
- Diaphragm
- Sludge Pumps
- Solids Handling
- Axial Flow
- Vertical Inline Multistage
- Dewatering
- Self-Priming
- Submersible

## Solids-handling

- Grinder
- Dewatering
- Packaged Systems

## Custom Pumps

- Dry Pit Pumps
- Horizontal, Submersible
- VPM, VOS, Grit

## Sludge Remediation

- PFAS/PFOA
- Pharmaceuticals
- Hormones
- Heavy Metals
- Radioactive Isotopes
- Sludge Destruction
- Lagoon capacity recovery
- Gasification of biosolids

## Reservoir Management Systems

- Solar Wave Generator

## Screening

- Micro-Bar Screens
- RakeMax Multi-Rake
- Climber Screens
- Rotary Drum Screens
- Package Headworks

## Screenings Handling

- Compactors, Washing Compactors
- Conveyors

## Septic and Grease Receiving Stations

## Silos, Dry Chemical Storage

## Sludge Dewatering Systems

- Rotary Press
- Belt Press
- Centrifuge
- Robotic Plate and Frame
- Rocker Press (Volute)

## Sludge Drying

- Sludge gasification services
- Solar, Belt, and Disc Dryers

## Sludge Leveling Systems

## Sludge Oxidation/Reduction

## Sludge Thickening

## Sludge Screening

## Stormwater

- Weirs
- Screens
- Tipping Buckets
- Vortex Regulator

## THM Reduction Systems

## Tanks

- FRP
- Corrugated Bolted Steel

## Troughs, FRP

## Underdrains

- Stainless Steel Underdrains
- Monofloor Underdrains

## UV Disinfection

- Non-Foul, Non-contact
- Horizontal, Vertical

## Valves

- Ball, Butterfly, Globe
- Air-Release, Vacuum
- Check, Foot, Gate
- Automatic Control
- Backflow Preventers