



Smith & Loveless Inc.

## Relevant Experience

- Thousands of wastewater treatment, sand removal and pumping systems applied globally over 65+ years
- Numerous installations handling complex process wastewaters, groundwater contamination, stormwater and sanitary sewage in Power-Gen facilities.

## Equipment Offerings

- Complete array of biological treatment systems & processes: MBR, Fixed-Film & Extended Aeration ideal for BOD/TSS/ Nutrient/Contaminant Removal
- Available in Packaged, Container and Field-Erected Configurations
- 95% Sand Removal Chambers for Surface Water Intakes
- Complete Pumping Solutions for Wastewater and Stormwater
- Process Component Solids Separation / Clarification Systems

## Benefits of Partnering with S&L

- Single-source reliability
- Designs for simplified O&M
- Compact footprints
- Superior water quality
- Complete project support from design phase through operation

For project inquiries and complete technical support, contact Smith & Loveless by phone (800) 898-9122 or online at [smithandloveless.com](http://smithandloveless.com).

# Wastewater Solutions for Power-Gen Facilities



## Comprehensive System Wastewater Solutions

As the demand for efficient energy surges, Smith & Loveless makes happy clients in the Power-Gen industry with a powerful array of engineered package solutions for sewage, surface water, wastewater, and stormwater handling. Our efficient sand removal and wastewater treatment and pumping systems deliver unrivaled life-cycle cost savings for power plants, providing reliability that saves our customers time, hassle and money.

Likewise, before start-up even commences, power plant designers appreciate our single-source solutions with pre-engineered treatment plants and pump stations. S&L packaged systems facilitate timely and hassle-free project completion and environmental compliance. Power plant end-users receive the benefits of durable, long-lasting equipment designed to efficiently pump and treat for decades.

Inquire with our Industrial Division regarding our significant installation experience at power-gen facilities.



## S&L System Solutions

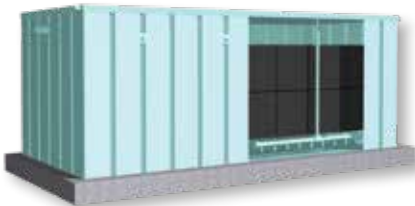
- Model R **OXIGEST**® [Large & High Strength Flows]
- **FAST**® Fixed-Film [Variable Flows]
- **TITAN MBR**™ [Membrane System for Stringent Reqs.]
- **ADDIGEST**® [Economical Packaged Extended Aeration]
- Packaged & Containerized BioPlants
- Clarifiers (Steel and Concrete)
- **DGF** Gravity Filters
- **PISTA**® Sand Removal Chambers
- Wastewater Packaged Pump Systems
- Stormwater Pump Systems

## WASTEWATER TREATMENT SYSTEMS



### TITAN MBR™ [Membrane System]

The **TITAN MBR™** is a complete packaged wastewater membrane bioreactor/treatment system featuring a compact design for shipping and mobility. This complete treatment system is delivered directly to the job site with minimal assembly required (except for field-erected models). Utilizing easy-clean, flat-plate membranes, these systems deliver pristine effluent quality for reuse. Capacities from 2,500 - 0.1 mgd (9.5 - 380 cmd)



### FAST® Fixed-Film System

Modular **FAST®** fixed-film systems offer smaller footprints and superb effluent quality for variable flows from 1,000 gpd (8 cmd) and greater. **ADDIGEST®** extended aeration plants provide a complete WWTP beginning at 10,000 gpd (38 cmd). Both processes are available in containerized tankage (complete with controls and blowers) as pictured at left.



## WATER INTAKE SAND REMOVAL



### PISTA® Sand Removal Chamber

The **PISTA®** Sand Removal Chamber serves as an efficient choice for sand removal for water intakes. Unlike large sedimentation basins that require significant space and additional chemical usage, the **PISTA®** significantly lessens space requirements, while removing 95 percent of surface water intake particles from 300+ microns down to 100 microns.



## WASTEWATER & STORMWATER PUMPING



### EVERLAST™ PUMP STATIONS

S&L **EVERLAST™** packaged and skid-mounted pump stations offer significant benefits over sumps for wastewater / stormwater pumping. Factory-built and tested, they are situated above the sump at grade, eliminating confined space hassles associated with conventional submersible approaches. S&L Pumps offer higher efficiencies, longer service life and documented lower O&M costs. From 100 gpm and up (6 lps).

