



Smith & Loveless Inc.

Wastewater Treatment & Pumping Systems

U.S. Military / DoD



CAGE Code: 6H169
UEI: N1M2CUWKHVN8



Smith & Loveless Inc.

How We Support the U.S. Military

We assist the U.S. Military and DoD by conserving mission critical water and energy resources at military facilities and FOBs.

We supply treatment and pumping systems aimed at

(1) reducing potable water consumption through recycling
(2) lowering life-cycle costs through more efficient performance and longevity, and (3) protecting the safety of military personnel and the environment.

Relevant S&L Military/DoD Experience

- Hundreds of U.S. Military / DoD Installations Throughout all Branches on all Continents

- Numerous Water & Energy Saving Projects Supporting DoD Sustainability

- Complete Array of Scalable, Packaged, and Transportable Systems. *Low Life-Cycle Costs.*

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



Treatment Systems

Complete range of aerobic and biological wastewater treatment systems designed to meet specific effluent requirements, including water reuse. Also designed to minimize facility space and O&M requirements, and come available in containerized and mobile units.

Products

- Decentralized, Packaged **TITAN MBR™** & Wastewater Treatment Systems
- Containerized & Mobile **TITAN MBR™**, **FAST®** Fixed-Film & Extended Aeration Systems
- Large-Flow, Field-Erected Systems

Meeting Sustainability with:

- Water Recycle/Reuse for Optimized Water Resources Management
- Minimizing Environmental Impact with Reduced Sludge Production
- Reducing Human Capital with Minimal Maintenance / Monitoring



TITAN MBR™ Treatment System

Project Profile

Location: Naval Auxiliary Landing Field - San Clemente Island, Ca.
Product: **TITAN MBR™** Wastewater Treatment System



Avg. Flow: 30,000 GPD (114 CMD)

Water used at SCI had to be hauled from the San Diego coast 75 miles from the shore to meet Barracks life. As part of new LEED Gold BEQ project construction, a new S&L **TITAN MBR™** system with effluent Water Boosters will sustainably deliver reused water for toilet flushing, land irrigation and water features on the island, saving nearly 10 MGY of water and reducing the previous associated hauling costs.



- Water Reuse
- Energy-Efficient
- Low Maintenance

Headworks

PISTA® Grit Removal Systems feature numerous patented and exclusive components that achieve industry-best 95% grit removal down to 105 µ particle size. Low-energy cost system includes grit handling and dewatering, components with premium efficient motors.

Products

- Patented Hydraulic Vortex **PISTA®** Grit Removal Systems
- Complete Grit Handling System Components
- Spiral Fine Screens

Meeting Sustainability with:

- Low-Energy Grit Removal System with Premium Efficient Grit Pump Motors
- Optimizing Performance & Longevity of Downstream Process Equipment
- Reducing Organic Residual Impact and Costs Prior to Landfill



PISTA® Grit Removal System

Project Profile

Location: Cape Canaveral Air Force Station
Products: **PISTA®** Grit Handling System including **PISTA®** Turbo Grit Pump, Grit Washer & Concentrator



Avg. Flow: 250 GPM (15.77 LPS)

Cape Canaveral's wastewater treatment plant contained an aging grit removal system that required updating and improving performance. Smith & Loveless assisted the base by completely retrofitting its grit handling components, including a premium efficient motor for its grit pump, and a new **PISTA® TURBO™** Grit Washer that replaced a messy grit screen. The grit washer eliminates nearly all of the organic residual content of the removed grit, saving on landfill costs while protecting the environment.



- Energy-Saving Retrofits
- Protects Environment

Pumping Systems

Packaged pump stations that boast the longest life-cycle and the lowest yearly maintenance cost of any wastewater pumping system. Operator-Safe Wet Well Mounted Pump Stations reside at grade level, eliminating confined space entry concerns.

Products

- Packaged Wastewater Pump Stations and Water Booster Systems
- Premium Efficient S&L Non-Clog Pumps; Energy-Saving Pump Retrofits
- Above-Grade & Dry-Pit Underground Operator-Safe Station Designs

Meeting Sustainability with:

- Longer Life Cycle = Less Throw Away
- Energy Savings from Superior Wire-to-Water Pump / Motor Efficiencies
- Reducing Human Capital with Safer & Simpler Maintenance



EVERLAST™ Wet Well Mounted Pump Station

Project Profile

Location: Army Dugway Proving Ground
Product: **EVERLAST™** Pump Stations



Flow Conditions: 280 GPM @ 31' TDH (18 LPS @ 9.5m)

The U.S. Army's Dugway Proving Ground has undertaken two different pump station retrofits since 2012, replacing inaccessible and inefficient submersible pumps with above-grade Wet Well Mounted Pump Stations. These Operator-Safe pumping system packages come equipped with factory-tested S&L Non-Clog Pumps and NEMA-rated premium efficient motors, delivering significant energy savings. All mechanical equipment (pumps, controls, valves, piping) resides at the surface, making it extremely easy and safe to access for inspection and basic maintenance.



Representative Photo

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- Energy-Saving Retrofits
- Less Throw-Away
- Safer Access



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U.S. Military / DoD Equipment Offerings



- Decentralized, Packaged MBR & Wastewater Treatment Systems
- Containerized & Mobile MBR, Fixed-Film & Extended Aeration Systems
- Packaged Wastewater Pump Stations with High Wire-to-Wire Efficiencies & Operator Safe Above-Grade Designs
- Low-Energy Grit Removal Systems
- Hi-Rate Aeration & Mixing Systems
- Tertiary Filtration Systems for Water Reuse Effluent Quality



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S&L U.S. Military & DoD Installations [Partial]

U.S. Air Force

Air Force Academy
Cape Canaveral Air Force Station
Cape Newenham Air Force Station
Dobbins Air Reserve Base
Edwards Air Force Base
Eglin Air Force Base
Howard Air Force Base
Luke Air Force Base
Mountain Home Air Force Base
Osan Air Force Base
Robins Air Force Base
Travis Air Force Base
Vandenberg Air Force Base
Whiteman Air Force Base
Hickham Field

U.S. Army

Dugway Proving Ground
Army Garrison Fort Carson
Army Garrison Fort Gillem
Army Garrison Fort Greely
Army Garrison Fort Hancock
Army Garrison Fort Irwin
Army Garrison Fort Knox
Army Garrison Fort Leavenworth
Army Garrison Fort McCoy
Army Garrison Fort Polk
Army Garrison Fort Riley
Army Garrison Fort Rucker
Army Garrison Fort Sill
Army Garrison Fort Stewart
Red River Army Depot

U.S. Navy

Naval Air Station Dallas
Naval Air Station Fallon
Naval Air Station Pensacola
Naval Air Station Whidbey Island
Naval Auxiliary Landing Field SCI
Naval Support Facility Indian Head
Naval Submarine Base Kings Bay
Naval Station Norfolk
Naval Surface Warfare Center DD
Naval Weapons Center Charleston

U.S. Marines

Marine Corps Base Camp Pendleton
Marine Corps Base Air Station Cherry Pt
Marine Corps Base Quantico

U.S. Coast Guard

Coast Guard Base Kodiak
Coast Guard Station Bayonne
Coast Guard Station Gulfport
Training Center Petaluma

DoD

Camp Peary
Warrenton Training Center

Smith & Loveless Inc.

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