

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

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

Pumping Systems

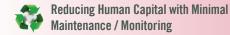
Packaged pump stations that boast the longest life-cycle and the lowest yearly maintenance cost of any wastewater pumping system. Operator-Safe Wet Well Mounted Pump Stations reside at grade level, eliminating confined space entry concerns.

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:

- Water Recycle/Reuse for Optimized Water Resources Management
- Minimizing Environmental Impact with Reduced Sludge Production





TITAN MBR[™] Treatment System

Meeting Sustainability with:

Low-Energy Grit Removal System with Premium Efficient Grit Pump Motors

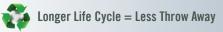
Optimizing Performance & Longevity of Downstream Process Equipment

Reducing Organic Residual Impact and Costs Prior to Landfill



PISTA® Grit Removal System

Meeting Sustainability with:



Energy Savings from Superior Wireto-Water Pump / Motor Effieciencies





EVERLAST[™] Wet Well Mounted Pump Station

Project Profile

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

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.

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.

Project Profile

Location: Product:

Army Dugway Proving Ground **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.

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Energy-Saving Retrofits



Protects Environment









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 0
- 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

Smith & Loveless Inc.

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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