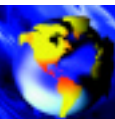




Military Application



SMITH & LOVELESS INC.

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Smith & Loveless Provides Remote Air Force Base with Custom Comfort— FAST



Application Profile: USAF Camp Lisburne

S&L Equipment FAST® WWTP & Pump Station

Installed: 2001

Tackling wastewater pumping and treatment problems in remote applications is just one of the many services Smith & Loveless, Inc. can provide.

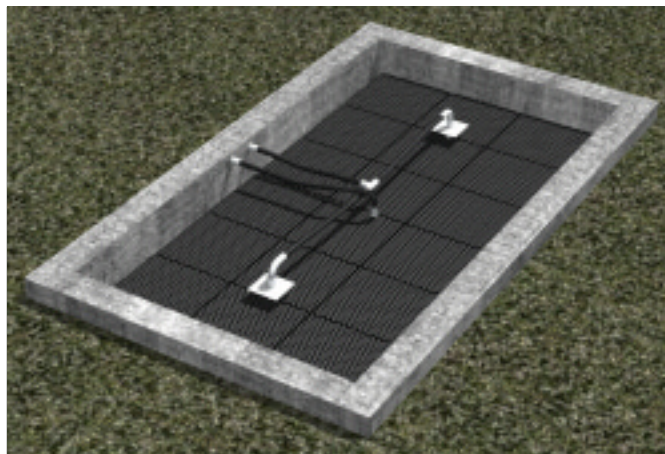
A recent project that Smith & Loveless' Industrial Division handled was for the U.S. Corps of Engineers and the Air Force Radar Site in Cape Lisburne, Alaska. This remote location posed a challenge because of the extreme winter climate and remote location.

During the summer months at the site, approximately 30 people were on site, whereas during nine months of winter, only 4-5 people are stationed there. Smith & Loveless provided a seven foot (7') Custom Series Pump Station and a pre-engineered D4S FAST® Treatment Plant for this varying flow application.

The Custom Series Pump Station was chosen for this project to minimize construction costs – a submersible station would have required erecting a pump building because of the climate. The Custom Series Station, buried just a few feet below grade, enables the Operator to perform routine maintenance safely and comfortably while temperatures outside are consistently below zero. For example, the station environment includes a space heater because the average soil temperature is 22°F and has a 10' frost depth. Another heater was also installed with a circulation pump to prevent wastewater freezing in the wet well.

The D4S FAST® Treatment Plant was also best suited for this unique application, because of the changing hydraulic and organic loads. Another added benefit of this system was the minimal supervision required to operate the plant. The FAST® Plant offers higher levels of self-regulating bacteria than conventional activated sludge plants. A longer sludge age is key, especially with the significant change in personnel during the winter months.

With a unique array of treatment and pumping equipment, Smith & Loveless was able to provide a complete solution for the U.S. Radar facility. S&L met the challenging design issues and provided a pumping and treatment system that met their needs.



FAST® Treatment Plant — ideal for variable flow conditions



Custom Series Pump Station — shipped complete to the site

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Smith & Loveless Inc. System Innovators for global pumping, water and wastewater treatment