



## CITY OF IDAHO FALLS WASTEWATER FACILITY PLAN

Since 2008, Murray, Smith & Associates, Inc. (MSA) has assisted the City of Idaho Falls with a variety of wastewater conveyance and treatment projects. MSA, teamed with Pharmed Engineering, LLC, developed a wastewater treatment facilities plan. With the exception of the headworks, the City's wastewater treatment plant (WWTP) has been largely unchanged since the early 1970s. The facility plan recommended approximately \$55 million of improvements to the WWTP over the next 20 years to increase capacity for future loads and enhance treatment to meet today's higher standards. MSA also developed a calibrated wet and dry weather model of the City's sewer system for use in determining the system's adequacy for future growth. Following the development of the facility plan, the team began work on a preliminary engineering report and final design for the first project recommended in the facilities plan, Solids Handling Improvements. This project involves the replacement of existing disk nozzle centrifuges with gravity belt thickeners for waste-activated sludge (WAS) thickening, as well as the installation of new thickened waste-activated sludge (TWAS) pumps, sludge heat exchangers, sludge recirculation pumps, a digested sludge transfer pump and two primary sludge/scum pumps. The project will go to bid in August of 2010.

