

Customer Spotlight: Water Parker Water & Sanitation District

Parker, CO • pwsd.org



Company Profile:

Parker Water & Sanitation District (PWSD), formed in 1962, has grown to serve over 45,000 residents today. In addition to providing drinking water primarily from groundwater, PWSD facilities include two wastewater treatment plants, 41 wells, and five water storage tanks. Parker Water & Sanitation has two activated sludge wastewater treatment plants that have a combined capacity of 3.5 MGD (million gallons per day). The wastewater flows through the collection system to the treatment plants via approximately 150 miles of sewer line.

The Parker Water & Sanitation Laboratory (PWSL), located at the North Water Reclamation Facility, is responsible for providing quality and accurate data for process control and regulatory compliance, and compliance of the drinking water system. PWSL is a certified lab by the State of Colorado for bacteriological, nitrate and nitrite testing on drinking water. Monthly samples are collected from around the District and run in the PWSL, which is staffed with a microbiologist, industrial pretreatment compliance inspector, sample technician, laboratory supervisor, and chemists.

Their Challenge:

PWSL had an older computerized LIMS system which was only partially used. Primarily, a manual system was used to login all samples into the laboratory, as well as other numerous logs across the laboratory. It became evident that the existing LIMS was never able to “fit” the way the laboratory worked, and vendor support was poor in terms of obtaining bug fixes and updates. PWSL was struggling to become automated and more efficient; the current system was holding back personnel from reaching their potential. PWSL team decided it would be judicious to have a laboratory automation needs assessment performed prior to evaluating the purchase of a new LIMS.



Our Solution:

The deployment of Sample Master® Pro was straightforward, due to the needs assessment conducted to identify potential risks and gain a better understanding of challenges. The ATL implementation team worked with PWSL staff to complete a pre-installation checklist and template that allowed the laboratory to assist ATL engineers in populating static table data with information from their log books and historical LIMS. Once this was accomplished, ATL engineers installed the software on the new LIMS VM Server and began LIMS administrator and end-user training sessions. In addition to migrating multiple years of historical data, ATL engineers also implemented the ATL NPDES Reporting Package for automatic generation of state required NPDES DMR (Discharge Monitoring Report).

Sample Master® provided automation advantages such as the ability to leverage bar-coding, rapid sample login, quick sample tracking, data entry and sample scheduling, integrated QA/QC functionality, and automated reporting. Once the system was configured to meet the data management and reporting requirements of the laboratory, the LIMS team ran parallel testing for a few weeks and then quickly moved to Sample Master® Pro LIMS. ATL also offered additional intermediate training bi-annually at the LIMS Boot Camp for LIMS administrators and super-users.

“ *Sample Master® Pro is an extremely user-friendly and flexible LIMS system that was configured to fit our specific needs. This, coupled with excellent customer service from the sales process on through implementation and support, made our experience with ATL a pleasure.* ”
Tony Petrucci, Systems Administrator
Parker Water & Sanitation District

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