



Sample Master® LIMS Meets Data Management Needs at Lincoln Water System Water Quality Laboratory

User-friendly system met all evaluation criteria.

Organization Profile

Lincoln Water System (LWS), part of the Transportation and Utilities Department, produces and distributes an adequate supply of quality water to meet the ever-increasing demands of residential, commercial, and industrial customers within the City of Lincoln, Nebraska. LWS serves the 287,000 citizens in the Capital City of Nebraska. Water from 40 vertical wells and two horizontal collector wells is treated at two treatment plants located in Ashland. The water is then sent 30 miles west to the City of Lincoln and distributed to the 287,000 customers through approximately 1,200 miles of pipe.

Located in the Ashland Water Treatment Facility, the LWS Water Quality Laboratory is responsible for assisting treatment plant staff with production process control and well field management, customer service including responding to customer complaints/inquiries, sampling of main break repairs, Safe Drinking Water Act (SDWA) compliance sampling, and Total Coliform Rule sampling and analyses. Samples are collected daily from the untreated water supply coming into the treatment facility, the finished treated water supply leaving the facility, and at various locations within the treatment facility for quality assurance analysis.

The Laboratory is equipped with state-of-art equipment for an analysis of a variety of inorganic (e.g. iron, manganese), organic (e.g. herbicides and pesticides) and microbiological analytes (e.g. total coliform, e-coli). Some of the instrumentation includes Horizon Technology Spe-Dex Extractors and DryVap, Metrohm-Peak Ion Chromatograph, Shimadzu Gas Chromatograph/Mass Spectrometer and Varian Atomic Absorption Spectrometer. Laboratory Specialists also collect samples daily from various locations within the distribution system with the ability and necessary instrumentation to analyze many analytes on-site.



Lincoln Water System
Lincoln, NE

<https://www.lincoln.ne.gov>

“The purchase and implementation of Sample Master® has been a great improvement in our Laboratory with regards to laboratory operations, efficiency and accuracy.

Sample Master allows us to do so much more with the sample data than our previous LIMS. We have just begun to discover the full capabilities that Sample Master LIMS offers! ”

John D. Keith
Manager of Laboratory Services,
Lincoln Water System



Their Challenge

When shopping for a new LIMS, LWS's primary criteria included ISO Certification, modularity, features/functions of the software, quality of support and training, and client references.



Our Solution

LWS selected and purchased Sample Master® on Microsoft SQL Server because it met all of its primary criteria. ATL is one of the few independent LIMS firms that is ISO 9001 certified, and has been since 2001. Sample Master is modular in design and affords smaller laboratories unparalleled flexibility to choose hardware and software specific to their needs, as well as support expansion as operations grow. In addition, the LIMS has an open architecture, a secure database to limit access and set permissions, is user-friendly, CFR 21 Part 11 Compliant, and integrated with Excel, Word and also with Outlook for sending e-mail alerts. ATL upholds a commitment to excellence in product quality, support, and training. Sample Master is backed by comprehensive support plans and dedicated training teams that guarantee superior service. LWS has maintained ATL GOLD Support since implementing.

Because the system is modular, it allowed the Laboratory to initially purchase the key modules and additional modules could be purchased at any time in the future. Sample Master was implemented at LWS with the Sample Tracking, Data Entry, Sample Scheduling, QA/QC, Electronic Data Transfer Maintenance modules as a Premise deployment for 10 concurrent users. ATL Certified Trainers went onsite and delivered Administrator and End-user training. Users also attended ATL's LIMS Boot Camp training in Pinehurst, NC.

Since implementing Sample Master, the LWS Water Quality Laboratory has seen significant improvements — less time spent — in the areas of sample login, data entry, data review/analysis and validation, data retrieval and reporting, and field data collection.

Accelerated Technology Laboratories (ATL), headquartered in West End, NC, provides laboratory automation solutions to a variety of industries from analytical, environmental, food & beverage, water and wastewater, agriculture, cannabis, chemical, government, public health, biotechnology, clinical testing and manufacturing. ATL's LIMS products are installed in over 600 laboratories around the world and supported by a steadfast commitment to excellence in product quality, support and training. ATL is one of the few LIMS providers that is ISO 9001:2015 certified. For additional information, visit: www.atlab.com.

