



Sample Master® LIMS Meets Data Management Needs at Washington Aqueduct, Army Corps of Engineers

Increased productivity is just one major LIMS benefit.

Organization Profile

In 1859, the Corps of Engineers designed, built and began operating the Washington Aqueduct. Since then, the Corps has significantly expanded and enhanced the capacity and function of the Aqueduct from its original mission of supplying raw river water to a sparsely populated District of Columbia to today's mission of providing safe drinking water to a much larger and more populous service area. A division of the Baltimore District, U.S. Army Corps of Engineers, the Washington Aqueduct is a federally owned and operated public water supply agency. The two water treatment plants and water quality laboratory located in Washington, DC, produce an average of 180 million gallons of water a day for one million residents in Washington, DC, Arlington, VA and Falls Church, VA. The Washington Aqueduct is managed, operated, and maintained 24 hours a day, every day, by 165 civilian employees of the U.S. Army Corps of Engineers. The work force consists of engineers, chemists, certified plant operators, skilled tradesmen, laborers and administrative staff.



**US Army Corps
of Engineers®**

Washington Aqueduct,
Washington, D.C.

[https://www.nab.usace.army.mil/
Missions/Washington-Aqueduct/](https://www.nab.usace.army.mil/Missions/Washington-Aqueduct/)

Their Challenge

As a high throughput environmental laboratory, the Washington Aqueduct faced several challenges including enhanced regulatory oversight, decreasing costs per test, and numerous required laboratory accreditations. The Washington Aqueduct sought a vendor with LIMS expertise that could provide a turnkey solution to help meet their data management challenges.

Our Solution

The Washington Aqueduct Laboratory chose ATL and Sample Master® LIMS due to their technical expertise and product quality. Sample Master offered the ability to track samples, data entry capabilities, sample scheduling functions, QA/QC, electronic data entry, chemical and reagent inventory and personnel and equipment management. The Laboratory also needed to increase productivity and efficiency. These challenges were met through the use of bar coding, instrument integration and specialized software, which offered cost accounting/time tracking features. Data management needs have been met successfully with Sample Master LIMS. Transcription errors have been reduced, data accuracy and throughput have increased and automation gains have been realized.

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.

