



## Customer Spotlight: Water & Wastewater

### Sample Master® is the LIMS Choice for Suez

For over 25 years, the largest Wastewater Recycling Plant of its kind in the U.S. has relied on Sample Master LIMS.



#### Organization Profile

Suez is the contract operator for the West Basin Municipal Water District. They operate, maintain, and provide laboratory services for the Edward C. Little Water Recycling Facility (ECLWRF) and three satellite treatment plants. ECLWRF is not only the largest water recycling facility of its kind in the United States, but it is also the only treatment facility in the country that produces five different qualities of "designer" or custom-made recycled water that meet the unique needs to the communities it serves.

The Laboratory tests the influent water to the main plant, throughout the treatment processes, and the final effluent from each facility. The water ranges in quality from treated wastewater effluent, to near-distilled water quality. Treatment includes conventional tertiary wastewater process (coagulation, flocculation, filtration, disinfection), to modern membrane processes (MF/RO, MF/RO/RO, MF/RO/UV-AOP). Testing includes mostly inorganic parameters, but also microbiology, trace metals, and TOC.

#### Their Challenge

In 1996 the ELWRF Laboratory began its search for Laboratory Information Management System (LIMS). Their initial goals for purchasing a LIMS were 1) get off a paper system of sample tracking; 2) find a LIMS that would bring modern capabilities; and 3) find a system that could be customized for their purposes without having to pay additional money each time they needed a change. The Laboratory decided that the clear LIMS choice was ATL's Sample Master® LIMS.

#### Our Solution

Sample Master not only migrated the Laboratory off the paper system that they were using but is a state-of-the-art LIMS that was designed to be user configurable. Sample Master does not require source code or custom code modification to support lab specific configuration and workflow requirements. It is a robust system that is easy to use and customize. The Laboratory was able to be fully functional with Sample Master within two months. The software package has been upgraded several times since 1996. Many years of data in one database allows for easy trending of results from all of their locations.

Since Sample Master is capable of receiving results directly into its database from interfaced instruments, the Laboratory interfaced an Ion Chromatograph (anion analyses) and ICP/MS (trace metals and cations). Instrument integration eliminated the step of manual data entry which reduced transcription errors, increased data quality and productivity, allowing the Laboratory team to do more with limited resources.



El Segundo, California  
<https://www.suez-na.com/en-us>

Sample Master® is software that is user friendly, easy to customize, and does everything a LIMS should be able to do. The capabilities of the software are only limited by the imagination of the user. ATL has provided excellent support for their product and is constantly adding features and functionality to keep up with the constant changes in technology and in our field. ☺

Gregg Oelker,  
Manager of Water Quality,  
Edward C. Little Water Recycling Facility

