

Sampling and Monitoring

B₂B Presentation

TTL, Inc.
2016
Shaw



This presentation is based on information currently available to TTL and should not be regarded as a substitute for Federal and State regulations.

Water quality is key to public health and sampling is essential to ensuring reliable accurate water quality data to optimize water treatment plant and distribution system performance.

SAMPLING AND MONITORING

Use good planning and record keeping, site and sample specific awareness, and quality assurance protocols to get the job done right.



Mistakes in procedures can be very costly to you and or your water system.

Water quality sampling shouldn't be a lesson in frustration.

RESPONSIBILITY

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- Public Water Systems (PWS) are responsible for both complying with the SDWA regulations and reporting to the public when any standards have been exceeded.



PL 93 - 523

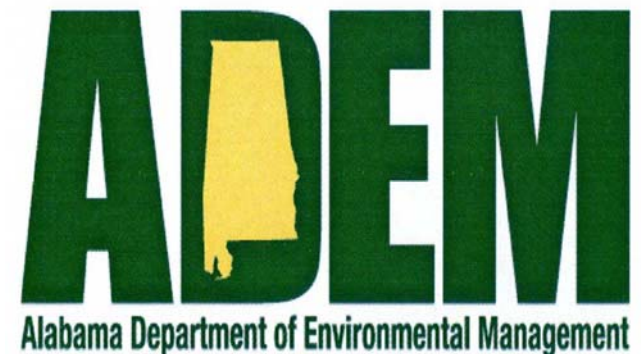
Federal Law



State Law



State
Regulations



AC - 335 - 7
AC - 335 - 10

"P" rocess Control

You



"R" egulated Compliance

TTL



- **Water treatment *decisions* based on *incorrect data* may be made if sampling is not correctly performed. *Representative* analytical results depend on you ensuring that:**
 - the sample is representative of the water source under consideration
 - the proper sampling techniques are used
 - the samples are protected and preserved until they are analyzed
 - the proper sample containers are used

"P"

Prepare

Plan

Practice

Perform



"R"

Read

Report

Record

Repeat

- **Standard Operating Procedures (SOP)**

- Sampling Procedures
- Analytical Procedures
- Maintenance
- Cleaning
- Calibration, and
- Standardization



- By monitoring quality and compliance, your analytical instruments and personnel are essential supporters of your production. Keeping the instruments in **mint** condition and personnel trained and informed means securing product quality and reducing the risk of downtime, embarrassment and bad PR.



Preventative



Maintenance

SUMMARY

- Understand and keep abreast of the regulations;
- Read, interpret, and act from your results;
- Question when necessary if you don't understand;
- Maintain compliance by building good relationships with your regulatory authority and your laboratory ;
- Your sample results are only as good as your procedures and your water;
- Don't get in the blame game – do something!
- Stay on your toes, cross all your “t’s” and dot all your “i’s”.
- Review and revise all your Plans and SOP’s annually.
- It is all about *PR* !!!!



*Thank
You!*

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