

Eastex Environmental Laboratory

October 2016 Newsletter

So you have completed lead and copper sampling and you have a violation, what now?

The Lead Copper Rule (LCR) established an action level of 0.015 mg/L for lead and 1.3 mg/L for copper based on the 90th percentile level of tap water samples. This means no more than 10 percent of your samples can be above action level. If lead and or copper levels at the 90th percentile are found above the action levels, it will trigger a violation, and require actions including water quality parameter (WQP) monitoring, corrosion control treatment (CCT), source water monitoring/treatment, public education and lead service line replacement. If you do WQP please specify if it is compliance testing with LCR.

What is WQP? It is Water Quality Parameter, basically a set of water qualities or characteristics used to help systems and

Did you fail a lead and copper sample? Do you have corrosive water? The State has new requirements if you are a PWS over 50000, a new PWS or if your results are over action levels. You are required to do Corrosion tests. Contact Eastex to find out more.

states determine what levels of CCT would work best for the system and whether this treatment is properly operated and maintained over time. WQP samples are used to determine corrosivity of water. WQP must include pH, alkalinity, calcium, conductivity and temperature. You will need orthophosphate or silica if you use inhibitors that contain orthophosphate or silica. You have to specify the inhibitor used, so the test can be

done. Collection must be done at two separate locations: entry points (EP) and at representative taps throughout the distribution systems. Samples must be collected at locations representative of each source of water after treatment.

You can check your WQP schedule and how many Entry Points and Distribution Sampling you must complete, by going to Texas Drinking Watch website.

Unlike LCR collection of waiting 6 hours and first draw; WQP samples are collected after fully flushing the tap. It is good practice to record any observations and sampling conditions. Also just like any collection of sample, sampler should practice standard operating procedure to avoid contamination, introduction of air bubbles into the sample can affect pH, conductivity and DO of water sample. Temperature and pH

are conducted in the field. Form 20679 must be filed with the correct PWS number, specify both EP001 and the address on your chain of custody form and supporting analytical data from an approved lab. Samples are collected in one liter plastic bottles. For more assistance on how to collect samples please call Eastex Lab. According to 40 CFR 141.87 if you serve more than 50,000 people you must conduct WQP monitoring whether you have an exceedance or not. If you serve less than 50,000 people then you will need WQP when you exceed lead or copper 90th percentile level and specify "compliance" or you wont get credited for it.

Number of WQP sample sites

Population	Number of Samples
1 - 100	1
101 - 500	1
501 - 3,300	2
3,301 - 10,000	3
10,001 - 100,000	10
101,001 or more	25

6M2 Cycle is in progress. Last day for sampling is December 31st 2016.

All sites and alternative sites must be approved by TCEQ before sampling.

Check to see if you are required by visiting Texas Drinking Watch website.

Form 20467 to get sites approved.

Form TCEQ 20683 – to be submitted to the laboratory with the sample.

Why Use Eastex Lab?

Help ensure samples submitted are compliant with TCEQ requirements.

Help prevent violations due to improper samples.

At Eastex Environmental Laboratory, we compare data against MCL limits for earlier notification.

Give guidance with paperwork, reporting to the State, and understanding the process.

We send data to TCEQ electronically and then verify that TCEQ has received it.

We provide you with sample bottles.

We will pick up your samples from the Houston, Beaumont and Nacogdoches surrounding areas.

Get your results fast! View your results online from anywhere with internet connection.

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Website: Eastexlabs.com

Email: eastexlab@eastex.net

Tel: 936 653 3249



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When Water Quality Parameter (WQP) is required due to Lead Copper Rule (LCR) violation, the PWS should perform Entry Point and Distribution Point testing in the same LCR period. It is important to note the three phases of WQP monitoring. They are:

Initial WQP monitoring, follow-up monitoring that occurs during two consecutive six-month monitoring periods immediately following the implementation of corrosion control treatment (CCT) and third; monitoring that occurs after the State sets OWQPs which is Optimal Water Quality Parameters.

Initial WQP must be conducted during the same monitoring period as your LCR monitoring. So if your LCR monitoring is in July – December 2016, your WQP must be in these months. Your WQP must include pH, alkalinity, calcium, conductivity, temperature. You may have to include orthophosphate and silica depending on inhibitors used.

Follow-up WQP occurs in the 12 months immediately following CCT. These samples are collected during the same two consecutive six month LCR monitoring to demonstrate effectiveness of CCT.

Optimal WQP is performed after tge system has returned to compliance and allows the operator to adjust treatment to the system's need. **TCEQ only accepts data electronically from an accredited lab.**

TCEQ Contact Laurie.Gehlsen@tceq.texas.gov

NEW

TCEQ has changed the way we electronic file your drinking water data.

If your raw sample is not identified correctly your system will not receive credit.

It must be in the format described on the monitoring form example. G1234567A

If you are not sure of your well ID's you can call TCEQ or look on the Texas Drinking Water Watch website <http://dww2.tceq.texas.gov/DWW/>

It's Time to Renew Your **STORMWATER** MULTI- **SECTOR GENERAL PERMIT**

AUTHORIZATION. To continue your authorization, you must reapply by November 14th 2016 before 5:00pm.

You can apply online using STEERS to fill out Notice of Intent (NOI) or you can download form TCEQ-10382 from TCEQ's website and mail it in with your application fee. If you no longer need your authorization then you must submit notice of termination form TCEQ=10443 by mail or online.

Visit Texas Drinking Water Watch to see your LCR and WQP schedules.

Field Supervisor

Chris Wirzberg 936-653-3249

Field Techs Contact

Brian Sewell 936-827-3377

Wendy Willson 936-828-7209

Rico Valley 936-828-7205

Chris Guinn 936-827-3378

Shawn Arnold 936-828-7208

Mark Bourgeois 936-828-7206

Lulia Galusha 936-828-7203

Brittany Brown 936-788-4193

Our Mission: Participate in the protection of the environment and public health by delivering reliable, quality analytical data and environmental compliance services in a friendly, personal, professional manner while growing our employees in experience and skill.

WQP need to know facts:

One liter plastic bottle – label bottle with address and indicate EP001 for Entry Point and DS01 for distribution system.

WQP Form 20679 must be filled properly. Specify both EP/DS and address, specify compliance, specify inhibitor.

Entry point is defined as after treatment but before the first service connection or distribution system. The Lead and Copper Rule calls these samples source water samples but it doesn't mean they are collected from raw water – instead collect them from entry points.

Distribution system sampling is taken at outside hose bibs or sample stations. These sites should be representative of the distribution system – similar to a bacteriological sample .

No WQP samples should be analyzed by a laboratory unless they are accompanied by the correct TCEQ Chain of Custody. **WQP COC is Form 20679** and must come to you filled out with pH and temperature readings from the field within 15 mins of collection. If we get samples in from systems without TCEQ COC they are rejected and not used for compliance. You have to indicate Compliance if you want credit for it from TCEQ.

No LEAD/COPPER samples should be analyzed by a laboratory unless they are accompanied by the correct TCEQ Chain of Custody. **LCR COC is Form 20683** and must accompany samples. Our Lab cannot report lead and copper with WQP samples unless both COC 20679 and 20683 are attached.

All laboratories must submit analytical data with results, qualifiers, QC data, their own COC if used, and TCEQ COC 20679. If TCEQ receives just COC 20679 filled out it is not accepted, it must come with the laboratory analytical results from the lab.

COC Forms are found on our TCEQ Lead and Copper page http://www.tceq.texas.gov/drinkingwater/chemicals/lead_copper/lead-copper.html.

There are several indices to check corrosivity, one of them is Langelier Saturation Index and it can be found online if you search Lenntech LSI.

Get Your Results **FAST** with **Element ClientConnect**

Website: Eastexlabs.com

Email: Eastexlab@Eastex.net

Tel: 936 653 3249