

**Lead in Drinking Water Work Group  
Kentucky Engineering Center, 160 Democrat Drive  
June 15, 2016**

**Draft Agenda**

1. Call Meeting to Order and Roll Call of Membership
2. Introduce Guests
3. Approve Minutes of May 18, 2016
4. Hand out copy of Ground Rules and Open Meetings Rules
5. Presentation on Water Treatment, Corrosion Control Sub-group – Dr. Rengao Song
6. Review Sub-groups Assignments and Schedule
7. Open Discussion for Workgroup
8. Public Comment Period
9. Next Workgroup Meeting, 1:30 PM - July 20, 2016

**Drinking Water Advisory Council  
Lead in Drinking Water (LIDW) Work Group  
Meeting Minutes  
June 15, 2016**

In attendance: Greg Heitzman, Chair (BWK), Obe Cox (CCW), Mike Gardner (BGMU), Ron Lovan (NKYW), Bill Robertson (PWWKY), Justin Sensabaugh (KYAW), Rengao Song (LWC), Brian Thomas (MWD),

Liaisons: Gary Larimore (KRWA), Kay Sanborn (KYTN-AWWA)

Absent: Jennifer Burt (DPH), Brad Montgomery (ACEC), Thomas Rockaway (UofL),

Division of Water (DOW): Peter Goodmann, Director; Tom Gabbard, Asst. Director; Samantha Kaiser, Todd Ritter

Dept. of Environmental Protection (DEP): Larry Brannock

Public Attendees: Amber Agee (DPH), Annette Dupont Ewing (KMUA), Samantha Morgan Faulkner (KYOAG-ORI), Haley McCoy (EEC), Vince Monks (LWC), John Mura (EEC)

The meeting was held at the Kentucky Engineering avenger, Frankfort, KY and the meeting began at 1:30 p.m. EDT.

Call Meeting to Order and Roll Call of Membership

Chair Greg Heitzman led the roll call, workgroup introductions, and introduction of guests. Samantha Kaiser was introduced as the new recorder, replacing Carole Catalfo. Peter Goodmann noted that this was a Special Meeting held at an alternate location. Members and guests were reminded to sign in.

Introduction of Guests

Guests introduced themselves.

Approve Minutes of May 18, 2016

The workgroup approved the May Meeting Minutes by consensus.

Ground Rules and Open Meeting Rules

The workgroup received a copy of the Ground Rules and Open Meeting Rules. Greg Heitzman reminded the workgroup that changes can always be made if needed. Peter Goodman indicated that the contact numbers for individuals that just moved to the new Kentucky State building have changed, and need to be updated and distributed to the workgroup.

Presentation on Water Treatment, Corrosion Control Sub-group

Dr. Rengao Song gave a Power Point presentation regarding lead corrosion and control. He discussed that the source of lead is from water service line connections and home piping and plumbing fixtures rather than from water distributed from utilities. The major contributor of lead is corrosion and lead

particulates are significant issues, rather than dissolved lead. He discussed how sampling practices can determine the amount of lead present. Water chemistry is a contributing factor to corrosion and lead sources.

The workgroup discussed the expenses in minimizing corrosion and how treatment can affect water quality. Large utilities may not be able to approach corrosion control the same as small utilities, there are expenses involved and corrosion control options affect the water chemistry.

The workgroup discussed the importance of identifying water quality signal from noise; where noise is a short term variation and signal is a long term variation. Some small utilities are dependent on water chemistry and may not have the knowledge as larger utilities to determine signal versus noise practices. It was suggested that the Division of Water make a recommendation for a monitoring protocol for utilities that request a chemistry change. The workgroup also discussed the effects of changing coagulants; this is an ongoing issue and smaller utilities are more vulnerable. Suppliers have been increasingly pushing coagulant changes, which causes the water chemistry to change; inevitably causing more issues.

The concern of reporting results for 'special samples' was raised by the workgroup. Every sample collection and sample results become public record. Utilities understand the importance of being proactive, but expressed concerns for the risks and obligations associated with perception of this data. The Division of Water agreed to look at the LCR protocol for consideration of 'special samples' and determine the utilities' obligations to report 'special sample' data results to the state.

The work group discussed water quality issues that cause customer complaints, common causes of customer problems, the most efficient way to diagnose problems, and common solutions. Many customer problems are caused from additions to the water system at the customer's home (i.e., water softener).

The issue of replacing lead contaminated water lines, that are the customer's responsibility, was discussed. Research conducted by Mark Edwards, PhD, Virginia Tech, indicates that; one foot of lead contaminated line could cause up to 100 years of exceedance of the lead action levels. Some utilities offer payment assistance, up to \$1000, to assist in the cost of replacing lead lines and utilities can offer filters for the customer's home. The time frame to recoat a line for water chemistry to reach equilibrium again varies from utility to utility. Current data shows that some customers must flush for 90 days before water quality is acceptable. The manner in which lead is removed from a contaminated line determines how long it takes for the water to reach equilibrium.

The sub-group was asked to make a recommendation to the Division of Water to help assist in identifying systems that could have potential issues. The sub-group will help identify what a significant water quality change is, what the indicators are, and a standard protocol.

Another concern was the difference between the corrosivity calculation the Division of Water requires and the corrosivity calculation that Dr. Rengao Song presented to the workgroup. The work group should make a recommendation that will be addressed in the final report.

#### Review Subgroup Assignments and Schedule

Greg Heitzman reminded the Distribution/Piping sub-group that they will present at the next meeting.

#### Open Discussion for Workgroup

Mike Gardner discussed an article that was published by The Guardian that questioned lead sampling protocols. The Guardian named the City of Bowling Green as one of 33 cities that allegedly used

improper sampling procedures that could affect lead test results. The Guardian cited an EPA Memo that was distributed on February 29, 2016 which recommended new lead sampling techniques. It is noted that Bowling Green Municipal Utilities and Warren County Water District is in full compliance with all EPA guidelines related to lead testing. EPA has yet to comment on this issue.

Peter Goodmann and Todd Ritter discussed an email reminder sent to utilities to collect samples at designated lead/copper sampling sites, since sampling is only required once every three years. This reminder is sent out by Todd Ritter but is not required by the Division of Water. Mr. Ritter has been sending these emails for about eight years. Changes to the email will reflect the recommendations made by the EPA's Memo and the latest LCR webinar.

#### Public Comment

No public comments were made.

#### Next Meeting

The workgroup reached a consensus that there will be no meeting in July due to a conflict with the majority of workgroup members. The next meeting will be held on August 17, 2016 at 1:30 p.m. EDT at the Division of Water, 300 Sower Boulevard, Frankfort, KY. The conference room will be TBD prior to the next meeting notice. All future meeting presentations will be pushed back by one month and will still be held the 3<sup>rd</sup> Wednesday of each month thereafter. Tom Gabbard will give a tour of the new building at the end of the next workgroup meeting.

#### Adjournment

The meeting adjourned at 3:40 p.m.EDT.

**Kentucky Lead Workgroup  
Sub-Group Members  
Updated 6-15-16**

Workgroup Members	Organization	Representing	E-mail	Phone	Resource 1	Resource 2
Greg Heitzman - Chair	BlueWater Kentucky	Water Industry	<a href="mailto:Gheitzman@bluewaterky.com">Gheitzman@bluewaterky.com</a>	502-533-5073		
Jennifer Burt	KY Public Health	Public Health	<a href="mailto:JenniferA.Burt@ky.gov">JenniferA.Burt@ky.gov</a>	502-564-4537 Ext. 4221		
Obe Cox	Carroll County Water	Medium Systems	<a href="mailto:ocox@carrollcountywater.com">ocox@carrollcountywater.com</a>	502-347-9500		
Tom Gabbard	KY EEC	KY DOW	<a href="mailto:Tom.Gabbard@ky.gov">Tom.Gabbard@ky.gov</a>	502-782-6952		
Mike Gardiner	Bowling Green Municipal Utilities	KMUA/Medium Systems	<a href="mailto:mgardner@bmmu.com">mgardner@bmmu.com</a>	270-782-4366		
Ron Lovan	Northern KY Water District	Large Systems	<a href="mailto:RLovan@nhwater.org">RLovan@nhwater.org</a>	859-441-5087		
Brad Montgomery	GRW Engineers	ACEC/Engineering	<a href="mailto:BMontgomery@grwinc.com">BMontgomery@grwinc.com</a>	859-229-7395		
Bill Robertson	Paducah Water	Large Systems	<a href="mailto:brobertson@pwwky.com">brobertson@pwwky.com</a>	270-444-5550		
Tom Rockaway	U of L Engineering	Academic	<a href="mailto:rockaway@louisville.edu">rockaway@louisville.edu</a>	502-852-3272		
Justin Sensabaugh	Kentucky American	Private Systems	<a href="mailto:Justin.sensabaugh@amwater.com">Justin.sensabaugh@amwater.com</a>	859-268-6342		
Rengao Song	Louisville Water	Large Systems	<a href="mailto:rsong@lwcky.com">rsong@lwcky.com</a>	502-569-3600 Ext. 1880		
Brian Thomas	Marion Water Department	Small Systems	<a href="mailto:bthomas@marionky.gov">bthomas@marionky.gov</a>	270-965-2266		
<b>Liasons:</b>						
Gary Larimore	Ky Rural Water		<a href="mailto:g.larimore@krwa.org">g.larimore@krwa.org</a>	270-535-5921		
Kay Sanborn	KY AWWA		<a href="mailto:executivedirector@kynawwa.org">executivedirector@kynawwa.org</a>	502-550-2992		
Peter Goodmann	KY EEC		<a href="mailto:Peter.Goodmann@ky.gov">Peter.Goodmann@ky.gov</a>	502-782-6956		
Bruce Scott	KY EEC		<a href="mailto:Bruce.Scott@ky.gov">Bruce.Scott@ky.gov</a>	502-782-6760		
<b>Recorder:</b>						
Samantha Kaiser	KY EEC		<a href="mailto:Samantha.Kaiser@ky.gov">Samantha.Kaiser@ky.gov</a>	502-782-6995		
<b>Sub-Group (up to 5 members)</b>	<b>Report Out</b>	<b>Member 2</b>	<b>Member 3</b>	<b>Member 4</b>	<b>Resource 1</b>	<b>Resource 2</b>
Public Health	Wednesday, April 20, 2016	Tom Rockaway	Greg Heitzman		Matt Rhodes (JC Health Dept)	
Regulatory/Legislative	Wednesday, May 18, 2016	Ron Lovan	Justin Sensabaugh	Obe Cox	Kay Sanborn (KYAWWA)	Tom Fitzgerald
Treatment/Corrosion Control	Wednesday, June 15, 2016	Brad Montgomery	Bill Robertson	Justin Sensabaugh		
Distribution/Piping	July	No Meeting				
Training	Wednesday, August 17, 2016	Tom Rockaway	Mike Gardiner	Rengao Song		
Finance	Wednesday, September 21, 2016	Tom Gabbard	Greg Heitzman		Gary Larimore (KRW)	George Haynes (KOOW)
Early Warning/Monitoring	Wednesday, October 19, 2016	Ron Lovan	Greg Heitzman			
Communication/Education	Wednesday, November 16, 2016	Jennifer Burt	Greg Heitzman		Matt Rhodes (JC Health Dept)	
	Wednesday, December 21, 2016	Ron Lovan	Brad Montgomery	Obe Cox	Kelley Dearing Smith (LWC)	



LEAD IN DRINKING WATER WORK GROUP  
 Kentucky Engineering Center, 160 Democrat Drive  
 June 15, 2016

WORK GROUP MEMBER SIGN-IN SHEET

Name	Agency/Organization	Email Address	Phone number
Fou Lovan	NKY WATER DIST	RLOVAN@NKYWATER.ORG	859-441-5087
Samantha Kaiser	KY DOW	Samantha.Kaiser@ky.gov	502-782-6995
John Foolman	Ky Dow	john.foolman@ky.gov	502/782-6954
KAY SANBORN	KY TN ANWA	executivedirector@kynawna.org	502-550-2992
Obe D. Cox	CARROLL CO. WATER	ocox@carrollcountywater.com	502-347-9500
Brian Thomas	City of Mason Water	bthomas@masonky.gov	270-704-0023
Greg Flitzinger	Blue water Ky	gregflitzinger@bluewaterky.com	502-533-5073
Justin Sensabaugh	KY American Water	justin.sensabaugh@amwater.com	859-455-6743
GARY LAEMORE	Ky Rural Water Assn	g.laemore@krwa.org	270-843-2291
Mike Gardner	EG Muni. UT.	mgardner@logiuk.com	270-782-4366
BILL ROBERTSON	PADUCAH WATER	brobertson@pwky.com	270-444-5550
Tom GABBARD	KY DOW	Tom.gabbard@ky.gov	502-782-6952
PENGAO Song	Louisville Water	RSONG@lvcky.com	502-569-0880







Commonwealth of Kentucky  
Energy and Environment Cabinet

Matthew G. Bevin, Governor

Charles G. Snaveley, Secretary

## **SPECIAL MEETING NOTICE**

Contact: Lanny Brannock, 502-564-2150  
[Lanny.brannock@ky.gov](mailto:Lanny.brannock@ky.gov)

### **Lead in Drinking Water Workgroup to Meet on June 15, 2016**

**FRANKFORT, Ky. (June 10, 2016)** - The Lead in Drinking Water workgroup will meet June 15 at 1:00 p.m. EST at the Kentucky Engineering Center 160 Democrat Drive, Frankfort, KY 40601.

The meeting is open to the public. This is a special meeting of the Lead in Drinking Water Group held in accordance with Kentucky Revised Statute 61.823

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6. Review Sub-groups Assignments and Schedule
7. Set a regular meeting schedule
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8. Public Comment Period
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