

**From:** [Groetsch, Kory J. \(DHHS\)](#)  
**To:** [Shekter Smith, Liane \(DEQ\)](#); [Krisztian, George \(DEQ\)](#)  
**Cc:** [Priem, Wesley F. \(DHHS\)](#); [Dykema, Linda D. \(DHHS\)](#)  
**Subject:** RE: Drinking Water Protocol  
**Date:** Saturday, October 31, 2015 5:18:28 PM

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I believe that will work very well. Linda has a meeting planned for Thursday.

Thank you.

Kory

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**From:** Shekter Smith, Liane (DEQ)  
**Sent:** Friday, October 30, 2015 5:23 PM  
**To:** Groetsch, Kory J. (DHHS); Krisztian, George (DEQ)  
**Cc:** Priem, Wesley F. (DHHS); Dykema, Linda D. (DHHS)  
**Subject:** RE: Drinking Water Protocol

Kory – we'll work on getting you a draft sampling protocol by sometime on Wednesday. Hope that works with your schedule.

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**From:** Groetsch, Kory J. (DHHS)  
**Sent:** Friday, October 30, 2015 11:17 AM  
**To:** Krisztian, George (DEQ); Shekter Smith, Liane (DEQ)  
**Cc:** Priem, Wesley F. (DHHS); Dykema, Linda D. (DHHS)  
**Subject:** Drinking Water Protocol

Hi George and Liane,

To follow-up on our meeting this last Tuesday, here is an update on the soonest the drinking water protocol for homes is needed.

Wes Priem, the section manager that will be overseeing the EBL investigations, has the contract with ETC (consulting firm) is starting next week. Technically, after that contract begins, we can be asked to send ETC to investigate EBLs in Flint.

Can that fit into your timeline for developing the protocol?

We realize the time demand on this is tight, so let us know what is reasonable.

Thank you,

Kory Groetsch, MS , Manager  
Toxicology and Response Section  
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**From:** Priem, Wesley F. (DHHS)  
**Sent:** Friday, October 30, 2015 10:45 AM  
**To:** Groetsch, Kory J. (DHHS); Wisinski, Courtney (DHHS); Dykema, Linda D. (DHHS)  
**Subject:** RE: Lead\_Copper\_Sampling\_Instructions\_330085\_7

Our contract with ETC starts next week and they will be eager to begin.

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**From:** Groetsch, Kory J. (DHHS)  
**Sent:** Friday, October 30, 2015 10:40 AM  
**To:** Priem, Wesley F. (DHHS); Wisinski, Courtney (DHHS); Dykema, Linda D. (DHHS)  
**Subject:** RE: Lead\_Copper\_Sampling\_Instructions\_330085\_7

George did not give us a time certain for that protocol when we met with him on Tuesday.

Do we need to nudge on this issue or wait?

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**From:** Priem, Wesley F. (DHHS)  
**Sent:** Friday, October 30, 2015 10:33 AM  
**To:** Matt Duncan; Wisinski, Courtney (DHHS); Dykema, Linda D. (DHHS); Groetsch, Kory J. (DHHS)  
**Cc:** Jeremy Westcott  
**Subject:** RE: Lead\_Copper\_Sampling\_Instructions\_330085\_7

Hi: We have yet to determine the sampling protocol. We are meeting soon with DEQ to determine this. We will get back with you as soon as we have determined what we need to do. This form may need to be modified for our use.

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**From:** Matt Duncan [<mailto:Matt.Duncan@2ETC.com>]  
**Sent:** Thursday, October 29, 2015 3:35 PM  
**To:** Wisinski, Courtney (DHHS)  
**Cc:** Jeremy Westcott; Priem, Wesley F. (DHHS)  
**Subject:** RE: Lead\_Copper\_Sampling\_Instructions\_330085\_7

Hello,

I was looking at the DEQ request for water analysis form and I have some questions. There are two analysis on the sheet for lead. To sample for just lead is reads the required unit is 36ME and test code is CPB. To sample for lead and copper for corrosion control the required unit is 36CC

and the test code is CCUB. On the instructions sheet it reads that the sample collection method for (lead only) is using required unit 36ME which does not seem appropriate for what we are trying to accomplish but the sample collection method for lead/copper for corrosion control using required unit 36CC seems to be more appropriate for an EBL situation.

We need to be clear on what exactly we are going to be doing as far as water sample collection and analysis so here are some questions that hopefully you can answer.

1. What test are we doing just lead or lead/copper?
2. What sample collection method 36ME or 36CC? 36 ME (Lead Only) involves selecting clean faucets and removing attachments such as aerators and dishwasher connectors, etc...36CC (Lead/Copper for corrosion control) is using minimum of 6 hours of no water flushing and collecting first draw.
3. How many water samples should we collect at each location?-example kitchen faucet 1<sup>st</sup> draw and one minute flush and ten minute flush? Or just one first draw?
4. How many sampling sites within the residence? Kitchen faucet, bathtub faucet, bathroom sink faucet, exterior spigot? Should this be up to the investigator? The kids drink out of the hose in the backyard so maybe sample from the hose? The basement bath sink never gets used, should we collect from there?
5. Do we have to fill out a separate form for each sample collected or can they be lumped together on one form?
6. Do we have to use this form or can we create a more efficient form that contains the same required information?
7. Is there a chain of custody form as well as this request for analysis form?

I am sure some of these questions may have to be answered by somebody at DEQ but these are some immediate questions I have at this point as we are preparing to get started on some of these very soon. Thank you!

**Matt Duncan**  
**Environmental Scientist/  
Project Manager**  
**38900 Huron River Drive**  
**Romulus, MI 48174**  
**(734)955-6600 office**  
**(734)740-5963 cell**

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**From:** Jeremy Westcott  
**Sent:** Wednesday, October 28, 2015 10:07 AM  
**To:** Matt Duncan  
**Subject:** Fwd: Lead\_Copper\_Sampling\_Instructions\_330085\_7

Sent from my T-Mobile 4G LTE Device

----- Original message -----

From: "Wisinski, Courtney (DHHS)" <[wisinskic@michigan.gov](mailto:wisinskic@michigan.gov)>  
Date: 10/28/2015 10:02 AM (GMT-05:00)  
To: Jeremy Westcott <[Jeremy.Westcott@2ETC.com](mailto:Jeremy.Westcott@2ETC.com)>  
Cc: "Priem, Wesley F. (DHHS)" <[priemw@michigan.gov](mailto:priemw@michigan.gov)>  
Subject: FW: Lead\_Copper\_Sampling\_Instructions\_330085\_7

Hi Jeremy,

Attached in the DEQ water sampling form and protocol. Please let us know if you need guidance with this. I was also wondering if you could modify your EBL template to include the water sampling and language and send to us for review. Just to be sure administration is ok with it?

Thanks so much! We are excited to work with your team on this project!

*Courtney Wisinski*  
Industrial Hygienist  
Michigan Department of Health and Human Services  
Division of Environmental Health, Healthy Homes Section  
P.O. Box 30195, Lansing, MI 48909  
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**From:** Priem, Wesley F. (DHHS)  
**Sent:** Wednesday, October 21, 2015 9:57 AM  
**To:** Gravlin, Mike (DHHS); Wisinski, Courtney (DHHS)  
**Cc:** Speidel, Carin (DHHS)  
**Subject:** FW: Lead\_Copper\_Sampling\_Instructions\_330085\_7

This is the DEQ form for water sampling. IT is complicated but it must be used. So we will have our staff or the contracted staff complete the form for the families.

My thought at this point will be that our staff or the contracted EBL investigators will take the water

samples. This can be accomplished by having them arrive first thing in the morning before cooking, cleaning begins. Or by flushing the water 5 minutes, then waiting the minimum of 6 hours and then collecting at the end of the day. Of course not all dust, xrf and soil sampling along with questionnaire and education will take 6 hours. So the EBL investigator may need to take a lunch break or do paper work or go to the second site and return. We can see how this works.

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**From:** Brewster, Simone (DEQ)  
**Sent:** Tuesday, October 20, 2015 4:15 PM  
**To:** Priem, Wesley F. (DHHS)  
**Subject:** RE: Lead\_Copper\_Sampling\_Instructions\_330085\_7

Simone Brewster  
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**From:** Priem, Wesley F. (DHHS)  
**Sent:** Tuesday, October 20, 2015 4:07 PM  
**To:** Brewster, Simone (DEQ)  
**Subject:** FW: Lead\_Copper\_Sampling\_Instructions\_330085\_7

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**From:** Priem, Wesley F. (DHHS)  
**Sent:** Tuesday, October 20, 2015 4:02 PM  
**To:** Dykema, Linda D. (DHHS)  
**Subject:** Lead\_Copper\_Sampling\_Instructions\_330085\_7

I made this very specific for this situation...it is easy to modify for future homes.