
From: Dykema, Linda D. (DHHS)
Sent: Thursday, November 12, 2015 8:58 AM
To: Krisztian, George (DEQ)
Cc: Wells, Eden (DHHS)
Subject: RE: Technical Advisory Team Information

George,

HHS is conducting a public health investigation. We'll leave compliance with the lead/copper rule to DEQ. Having done both, I'm well aware of the differences.

HHS will conduct an EBL investigation for every child whose blood lead level ≥ 5 $\mu\text{g/dL}$, irrespective of the water screening that you reference. We are in the process of reviewing the draft water sampling protocol that DEQ provided and I'll be discussing the protocol with both CDC and the EPA before I finalize it for inclusion in the HHS EBL protocol.

Linda D. Dykema, Ph.D.

Environmental Public Health Director
 Division of Environmental Health
 Michigan Department of Health & Human Services
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dykemal@michigan.gov

From: Krisztian, George (DEQ)
Sent: Thursday, November 12, 2015 8:11 AM
To: Dykema, Linda D. (DHHS)
Cc: Wells, Eden (DHHS)
Subject: RE: Technical Advisory Team Information

Hi Linda and Eden,

Please note that a lot of what I say below is preliminary and draft in nature. I am sharing this with you both as I think the three of us may need to get together as a group to discuss in detail.

The full blown EBL protocol is significantly different from the screening that is being done for homeowners. The screening for homeowners consists of one 1 liter bottle. Whereas the full blown protocol consists of at least 14 different samples. There will be 2 sets of 2 small (125 wide-mouth plastic bottles) that will be taken at the primary and secondary points of consumption. These will typically be the kitchen and the bathroom. There will then be a series of ten 1 liter bottles taken at the primary point (typically kitchen) so that we can get a profile of the plumbing system and find out how/if a lead service line is affecting the samples.

One of the challenges here is that health exposure and corrosion control optimization are not the same thing so we need to be very careful about what we are trying to accomplish. To me the Homeowner screening that is being discussed appears to be a hybrid and that being said I think that it is appropriate to change that screening process to align it with what is being suggested in the thread.

I am in the process of reviewing the lead and copper rule today and I expect that I will be responding to the group indicating some modifications to the homeowner screening protocol that are in line with the discussion thread below. I think that it will be important that the homeowner screening tool be used in conjunction with blood lead testing to help identify where EBL investigations should be done.

George

George L. Krisztian
 Flint Action Plan Coordinator
 Laboratory Director
 Michigan Department of Environmental Quality
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From: Dykema, Linda D. (DHHS)
Sent: Thursday, November 12, 2015 7:45 AM
To: Krisztian, George (DEQ)
Cc: Wells, Eden (DHHS)
Subject: FW: Technical Advisory Team Information

George,

1. What's DEQ's reason for using the small mouth bottles?
2. Can we get wide mouth bottles for the EBL investigations?

Linda

From: Marc Edwards [<mailto:edwardsm@vt.edu>]
Sent: Wednesday, November 11, 2015 12:15 PM
To: 'Shawn Patrick McElmurry'; 'Howard Croft'
Cc: 'Wright, Michael'; 'Amy Hovey'; 'Anthony Chubb'; 'Brent Wright'; 'Lytle, Darren'; 'Dayne Walling'; 'Higgins, Deborah'; 'donna. cole'; Dykema, Linda D. (DHHS); Wells, Eden (DHHS); Krisztian, George (DEQ); 'Gerald (Jed) Natzke'; 'James Henry'; 'Jamie Gaskin'; 'Jason Lorenz'; 'jmikewright'; 'JoAnne Herman'; 'John O'Brien'; 'Kevin J. Keane'; 'Kirk Smith'; larry.koehler@mcc.edu; 'Laura Sullivan'; 'Michael Glasgow'; 'Schock, Michael'; 'Mike Lane'; Prysby, Mike (DEQ); MVALACAK@gchd.us; 'Natasha Henderson'; 'Norb Birchmeier'; 'Pete Levine'; 'Robert Bincsik'; rosejo@msu.edu; 'Russell Hudson'; 'Samir Matta'; 'Sean Kammer'; Busch, Stephen (DEQ); swalser@senatedems.org; Thompson, Sheryl D. (DHHS); 'Warren Green'; 'Andy Leavitt'; 'Reynolds, Lawrence'
Subject: RE: Technical Advisory Team Information

Just using the standard EPA instructions, and giving the residents the wide mouth bottle...that would do it. That is our sampling protocol.

Marc

From: Shawn Patrick McElmurry [<mailto:s.mcelmurry@wayne.edu>]
Sent: Wednesday, November 11, 2015 10:19 AM
To: Howard Croft
Cc: Marc Edwards; Wright, Michael; Amy Hovey; Anthony Chubb; Brent Wright; Lytle, Darren; Dayne Walling; Higgins, Deborah; donna. cole; dykema; Eden Wells (DHHS); George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kevin J. Keane; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Michael Glasgow; Schock, Michael; Mike Lane; Mike Prysby (DEQ); MVALACAK@gchd.us; Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; Sean Kammer;

Stephen Busch (DEQ); swalser@senatedems.org; thompsons2@michigan.gov; Warren Green; Andy Leavitt; Reynolds, Lawrence

Subject: Re: Technical Advisory Team Information

I really like Lawrence's suggestion and believe this is an area where the Tech. Advisory Team (TAT) can provide assistance. I would like to suggest the this advisory panel develop a Standard Operating Procedure for sampling intended to fulfill the Lead & Copper Rule. I know there are excellent example protocols out there that we could build from but this is one way Flint can show leadership on this issue.

I think we can all agree that the methodology should include collecting first-draw samples without flushing in wide-mouth bottles, etc. Perhaps Marc Edwards, Darren Lytle or Michael Schock could provide a first draft? If preferred, I am happy to draft.

Sincerely,
Shawn McElmurry

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From: Reynolds, Lawrence <LawrenceR@mottchc.org>

Sent: Wednesday, November 11, 2015 7:12 AM

To: Howard Croft; Andy Leavitt

Cc: Marc Edwards; Wright, Michael; Amy Hovey; Anthony Chubb; Brent Wright; Lytle, Darren; Dayne Walling; Higgins, Deborah; donna. cole; dykemal; Eden Wells (DHHS); George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kevin J. Keane; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Michael Glasgow; Schock, Michael; Mike Lane; Mike Prysby (DEQ); MVALACAK@gchd.us; Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; Sean Kammer; Shawn Patrick McElmurry; Stephen Busch (DEQ); swalser@senatedems.org; thompsons2@michigan.gov; Warren Green

Subject: RE: Technical Advisory Team Information

Can this change be sent out in the testing procedure document so we can see it in context ? Thank you .

From: Howard Croft [<mailto:hcroft@cityofflint.com>]

Sent: Tuesday, November 10, 2015 6:57 PM

To: Andy Leavitt

Cc: Marc Edwards; Wright, Michael; Amy Hovey; Anthony Chubb; Brent Wright; Lytle, Darren; Dayne Walling; Higgins, Deborah; donna. cole; dykemal; Eden Wells (DHHS); George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kevin J. Keane; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Reynolds, Lawrence; Reynolds, Lawrence; Michael Glasgow; Schock, Michael; Mike Lane; Mike Prysby (DEQ); MVALACAK@gchd.us; Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu;

Russell Hudson; Samir Matta; Sean Kammer; Shawn Patrick McElmurry; Stephen Busch (DEQ); swalser@senatedems.org; thompsons2@michigan.gov; Warren Green

Subject: Re: Technical Advisory Team Information

Andy,

We just recently converted to the new method with no flushing, the vast majority were done with the old procedure. Our original expectation focused on the thought of a new standard being put in place statewide for uniformity but eventually, through conversations with Darren Lytle we made the decision to convert in advance of any potential statewide changes.

On Tue, Nov 10, 2015 at 6:40 PM, Andy Leavitt <aleavitt@senatedems.org> wrote:
Howard,

For clarity, of those hundreds of samples how many are with the flawed sampling method and how many are done with the appropriate sampling method?

Thanks,

Andy

On Tue, Nov 10, 2015 at 6:36 PM Howard Croft <hcroft@cityofflint.com> wrote:

Marc,

I believe that we agree with that message, we are planing to pursue all of the people who were sampled under the previous protocol and request that they submit to another round of testing with the new procedures. We have generated hundreds of samples this year and we intend to aggressively reach out to everyone for retesting. We are building a campaign that will continue to caution people about taking safe measures for drinking water but also produces neighborhood sampling pools that test several times throughout the course of the year in addition to tier 1 pools.

On Tue, Nov 10, 2015 at 5:14 PM, Marc Edwards <edwardsm@vt.edu> wrote:

No one should be told that if their water tested safe using the old MDEQ protocol, that it is ok to drink. I thought we learned that lesson already. The old sampling protocol is flawed.

Best Regards,

Marc

From: Howard Croft [mailto:hcroft@cityofflint.com]

Sent: Tuesday, November 10, 2015 4:56 PM

To: Andy Leavitt

Cc: Wright, Michael; Amy Hovey; Anthony Chubb; Brent Wright; Lytle, Darren; Dayne Walling; Deborah Higgins; donna.cole; dykemal; Eden Wells (DHHS); edwardsm; George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kevin J. Keane; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Schock, Michael; Mike Lane; Mike Prysby (DEQ); MVALACAK@gchd.us; Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; Sean Kammer; Shawn Patrick McElmurry; Stephen Busch (DEQ); swalser@senatedems.org; thompsons2@michigan.gov; Warren Green

Subject: Re: Technical Advisory Team Information

Andy,

We changed the instructions late last week that called for flushing, all bottles are now going out with the new protocol attached. We are concerned that some people are still not removing filters from the tap so we are trying to focus on that aspect of communication as well..

On Tue, Nov 10, 2015 at 1:59 PM, Andy Leavitt <aleavitt@senatedems.org> wrote:
Hi Howard,

Can you confirm when Flint will move away from the testing mode that includes flushing?

Thanks,

Andy

On Mon, Nov 9, 2015 at 6:20 PM Wright, Michael <Wright.Michael@epa.gov> wrote:

Howard:

Thanks for arranging the meeting today. I didn't catch all of what Natasha (and others) said on the line but I was intrigued when I heard her mention a fact sheet or some information on Lead that was taken from a city in MA. Can you/she forward that URL for our review and consideration?

During the last call, I also noted my concern regarding boil advisories during a lead emergency and wanted to provide a link that documented what I said about Lead (and nitrates for that matter) being concentrated upon heating.
http://water.epa.gov/drink/guide/upload/book_waterontap_full.pdf

Lastly, I couldn't hear who made the comment, but I agree that infants are likely the most vulnerable of concern. So, I was wondering if the clinicians/health practitioners in the room might consider partnering or spearheading an outreach effort to target expectant mothers with the Filters that are being provided. Not sure if this is best done via prenatal clinics, delivery hospitals, OB-GYN departments, or lactation management specialists, etc. The public health practitioners might also be able to use this emergency as another reason to advocate breastfeeding (vs infant formula).

Thanks,

Mike

From: Howard Croft [<mailto:hcroft@cityofflint.com>]

Sent: Friday, November 06, 2015 3:48 PM

To: Amy Hovey <Amy.Hovey@mail.house.gov>; Andy Leavitt <aleavitt@senatedems.org>; Anthony Chubb <achubb@cityofflint.com>; Brent Wright <bwright@cityofflint.com>; Lytle, Darren <Lytle.Darren@epa.gov>; Dayne Walling <dwalling@cityofflint.com>; Deborah Higgins <DeborahC@mottchc.org>; donna. cole <donna.cole@genesys.org>; dykemal <dykemal@mich.gov>; Eden Wells (DHHS) <wellse3@michigan.gov>; edwardsm <edwardsm@vt.edu>; George Krisztian (DEQ) <krisztian@michigan.gov>; Gerald (Jed) Natzke <gdn2@aol.com>; Howard Croft <hcroft@cityofflint.com>; James Henry <jhenry@gchd.us>; Jamie Gaskin <jgaskin@unitedwaygenesee.org>; Jason Lorenz <jlorenz@cityofflint.com>; jmikewright <jmikewright@yahoo.com>; JoAnne Herman <jherman@genesys.org>; John O'Brien <jfobrien@gcdcwvs.com>; Kevin J. Keane <KEVIN.KEANE@cmsenergy.com>; Kirk Smith <ksmith@flint.org>; larry.koehler@mcc.edu; Laura Sullivan <dr.laura2@gmail.com>; Lawrence Reynolds <LawrenceR@mottchc.org>; Lawrence Reynolds <reynolds@mottchc.org>; Michael Glasgow <mglasgow@cityofflint.com>; Schock, Michael <Schock.Michael@epa.gov>; Wright, Michael <Wright.Michael@epa.gov>; Mike Lane <mjlane@umflint.edu>; Mike Prysby (DEQ) <prysbym@michigan.gov>; MVALACAK <gchd.us>; Natasha Henderson <nhenderson@cityofflint.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; Pete Levine <plevine@gcms.org>; Robert Bincsik <rbincsik@cityofflint.com>; rosejo@msu.edu; Russell Hudson <Russell.Hudson@mclaren.org>; Samir Matta <SFMatta@lan-inc.com>; Sean Kammer <skammer@cityofflint.com>; Shawn Patrick McElmurry

<s.mcelmurry@wayne.edu>; Stephen Busch (DEQ) <BUSCHS@michigan.gov>; swalser@senatedems.org;
thompsons2@michigan.gov; Warren Green <jwgreen@lan-inc.com>

Subject: Technical Advisory Team Information

All,

Enclosed please find the weekly update along with the agenda for next weeks Technical Advisory Committee meeting. The time and location remain at City Hall on the 3rd floor at 2:00 pm. There is a conference call in number available and we have modified the speaker system to accommodate all those who call in. If there are any questions, please do not hesitate to contact me.

Dial-in Number:
 Access Code:

PIN:

Thank you,

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Howard Croft
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