
From: Marc Edwards <edwardsm@vt.edu>
Sent: Wednesday, October 14, 2015 1:08 PM
To: 'Henry, James'; 'Howard Croft'; 'Reynolds, Lawrence'
Cc: 'Lane, Mike'; 'Lytle, Darren'; 'Andy Leavitt'; 'Amy Hovey'; 'Brent Wright'; 'Dayne Walling'; 'donna. cole'; 'Dykema, Linda D. (DHHS)'; 'Krisztian, George (DEQ)'; 'Gerald (Jed) Natzke'; 'Jamie Gaskin'; 'Jason Lorenz'; 'jmikewright'; 'JoAnne Herman'; 'John O'Brien'; 'Kirk Smith'; 'larry.koehler@mcc.edu'; 'Laura Sullivan'; 'Michael Glasgow'; 'Wright, Michael'; 'Prysby, Mike (DEQ)'; 'Natasha Henderson'; 'Norb Birchmeier'; 'Pete Levine'; 'Robert Bincsik'; 'rosejo@msu.edu'; 'Russell Hudson'; 'Samir Matta'; 'Schock, Michael'; 'Sean Kammer'; 'Busch, Stephen (DEQ)'; 'Warren Green'; 'Wurfel, Brad (DEQ)'; 'Anthony Chubb'; 'Kevin Keane'; 'Valacak, Mark'
Subject: RE: 3rd Quarter Water Report

I agree that with one or two rare exceptions, it is ok to do all of the activities below. We did measure an average of 2000 ppb lead in one Flint home, over a flushing period of 25 minutes, in which case we redid the exposure calculations and showed that it could be significant.

That was a very exceptional case based on our sampling. I hope that this helps. So I agree with Dr. Arias.

Marc

From: Henry, James [mailto:jhenry@gchd.us]
Sent: Wednesday, October 14, 2015 12:55 PM
To: Howard Croft; Reynolds, Lawrence
Cc: Lane, Mike; Lytle, Darren; Andy Leavitt; Marc Edwards; Amy Hovey; Brent Wright; Dayne Walling; donna. cole; dykemal; George Krisztian (DEQ); Gerald (Jed) Natzke; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Michael Glasgow; Wright, Michael; Mike Prysby (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; Schock, Michael; Sean Kammer; Stephen Busch (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane; Valacak, Mark
Subject: RE: 3rd Quarter Water Report

Hello everyone,

Similar to many of your organizations the Genesee County Health Department has been receiving many specific questions regarding risks from lead. We have partnered with MDEQ's Toxicology Division to try to get some answers. Our research has provided only limited information. Attached are EPA, CDC and a few other documents that have been extremely helpful, but they do not address many of the specific questions. Also, copied below is a CDC response to some of the questions.

Please feel free to comment and add to the list below. If anyone has official, scientific or generally accepted guidance, please share it. I'll compile a comprehensive FAQ document and share it back with the group.

Public FAQ's

- Is it ok to wash fruits and vegetables?
- Is it ok to wash dishes?
- Is it ok to wash hands and then handle or eat food?

- * Is it ok to wash clothes? (skin irritations)
- * What are risks to pets (any particular pet that may be more susceptible) i.e. canary?

Hamilton Health Center Questions w/ CDC response below:

1. Can Flint River water be used to wipe down surfaces, counter tops?
2. Is it ok to utilize the water for cleaning of instruments?
3. Is it ok to use the water in autoclaving?

Dr. Arias wrote: We know of no formal guidance on this issue. However, lead in water is measured in parts per billion. Ambient contamination of surfaces and metals in general is much higher. Lead is also not well absorbed through skin. Our SMEs would not expect any problems with this practice unless the water is ingested. I'm copying Mary Jean Brown here who would be available if you have additional questions or need some other follow up.

Thanks Jim

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

Sent: Tuesday, October 13, 2015 5:59 PM

To: Reynolds, Lawrence

Cc: Lane, Mike; Lytle, Darren; Andy Leavitt; Marc Edwards; Amy Hovey; Brent Wright; Dayne Walling; donna. cole; dykemal; George Krisztian (DEQ); Gerald (Jed) Natzke; Henry, James; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan;