

From: [Busch, Stephen \(DEQ\)](#)
To: [Dykema, Linda D. \(DHHS\)](#); [Howard Croft \(hcroft@cityofflint.com\)](mailto:hcroft@cityofflint.com)
Cc: [Kristzian, George \(DEQ\)](#)
Subject: 11:00 School Sampling Priority Call
Date: Friday, October 09, 2015 10:07:33 AM
Attachments: [Flint Schools list.xlsx](#)
[Copy of 2015-2016 FCS Telephone Address Lists.pdf](#)

We will conference call at 11:00. Need to ensure we have the correct "universe" of facilities identified, and prioritize a list of those who have requested the detailed testing. As it will take time to get through each facility we don't need to have all of them in order at this time, but at least know which types should get higher priority.

Conference Call #
1-888-251-2909.
Code 1196738#

Attached is a spreadsheet with the universe of "school" facilities we have identified in Flint. It is broken into down into 5 categories (see the tabs on the spreadsheet).

- PreK and Daycares
- K-5
- 6-12
- Universities
- Others (boy scouts, transportations centers, etc.)

There are also a few that need to be checked on regarding to what category they belong in.

I also attached the list of Flint Schools that were screen tested with a few samples each, this past week. These will be the first priority.

Stephen Busch, P.E.
MDEQ Lansing District Coordinator
Office of Drinking Water and Municipal Assistance
Lansing and Jackson District Supervisor
517-643-2314
buschs@michigan.gov

From: Dykema, Linda D. (DHHS)
To: "[Howard Croft](#)"
Subject: RE: 3rd Quarter Water Report
Date: Monday, October 12, 2015 3:36:00 PM

If the State provides resources as discussed in terms of supplemental funding, we may be able to assist you. I have some very talented health educators on my staff who regularly translate complex scientific information into plain English. Unfortunately, they are all supported with federal grants and cannot just shift into new responsibilities.

From: Howard Croft [mailto:hcroft@cityofflint.com]
Sent: Monday, October 12, 2015 3:06 PM
To: Dykema, Linda D. (DHHS)
Subject: Re: 3rd Quarter Water Report

Linda,

I tend to agree with you, this was largely designed as a continuation of our annual CCR but being delivered more frequently. A fair amount of the population will appreciate this information and does read through it, I think the key is to continuously press the messages forward in multiple venues. I am pursuing a media schedule to help reach out to every education level including talking to the school children. We hope to develop an array of materials that can help communicate to everyone.

Unfortunately the population that stands to be the most impacted is likely the least educated, I am open for all suggestions on how to help get public information to everyone.

On Mon, Oct 12, 2015 at 2:24 PM, Dykema, Linda D. (DHHS) <DykemaL@michigan.gov> wrote:

Howard,

I'm concerned that the reading level of the report is too high for the general public. The Flisch-Kincaid readability as analyzed in Word is 14.3, or more than a high-school education. In general, my health educators try to keep the reading level between 8th to 10th grade if possible, recognizing that sometimes we can't hit that mark due to the complexity of the topic.

Linda D. Dykema, Ph.D.

Environmental Public Health Director
Division of Environmental Health
Michigan Department of Health & Human Services
517.335.8566
dykemal@michigan.gov

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

Sent: Saturday, October 10, 2015 8:33 AM

To: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Dayne Walling; donna. cole; Dykema, Linda D. (DHHS); edwardsm; Krisztian, George (DEQ); Gerald (Jed) Natzke; Howard Croft; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Michael Wright; Mike Lane; Prysby, Mike (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; schock.michael@epa.gov; Sean Kammer; Busch, Stephen (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane

Subject: 3rd Quarter Water Report

Team,

Included in this email is a copy of the first quarter water quality report that has been developed by the Utilities Division. Please take a look and offer any comments that you may have regarding content. There will be an additional one page insert containing three months test data inserted prior to distribution.

The purpose of the quarterly mailer is to increase communication, provide more transparency, and put more information into the hands of the public about what's occurring within the water system and with the infrastructure.

I will be putting together a separate weekly report for this Committee.

Thank you,

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Howard Croft
Public Works Director
City of Flint
1101 S. Saginaw Street
Flint, MI 48502
PH# 810.766.7135 Ext.2043
hcroft@cityofflint.com

--

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From: Dykema, Linda D. (DHHS)
To: "Howard Croft"
Subject: RE: TAC Team Summary 10_7_15
Date: Friday, October 09, 2015 12:59:00 PM

thanks

From: Howard Croft [mailto:hcroft@cityofflint.com]
Sent: Friday, October 09, 2015 12:47 PM
To: Dykema, Linda D. (DHHS); Krisztian, George (DEQ)
Subject: Fwd: TAC Team Summary 10_7_15

----- Forwarded message -----

From: Howard Croft <hcroft@cityofflint.com>
Date: Wed, Oct 7, 2015 at 9:42 PM
Subject: TAC Team Summary 10_7_15
To: Amy Hovey <Amy.Hovey@mail.house.gov>, Andy Leavitt <aleavitt@senatedems.org>, Brent Wright <bwright@cityofflint.com>, Darren Lytle <lytle.darren@epa.gov>, Dayne Walling <dwalling@cityofflint.com>, "donna.cole" <donna.cole@genesys.org>, edwardsm <edwardsm@vt.edu>, "Gerald (Jed) Natzke" <gdn2@aol.com>, Howard Croft <hcroft@cityofflint.com>, James Henry <jhenry@gchd.us>, Jamie Gaskin <jgaskin@unitedwaygeneseesee.org>, Jason Lorenz <jlorenz@cityofflint.com>, jmikewright <jmikewright@yahoo.com>, JoAnne Herman <jherman@genesys.org>, John O'Brien <jfobrien@gcdcwv.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>, Michael Wright <Wright.Michael@epa.gov>, Mike Lane <mjlane@umflint.edu>, "Mike Prysby (DEQ)" <prysbym@michigan.gov>, Natasha Henderson <nhenderson@cityofflint.com>, Norb Birchmeier <nbirchml@hurleymc.com>, Pete Levine <plevine@gcms.org>, Robert Bincsik <rbincsik@cityofflint.com>, rosejo@msu.edu, Russell Hudson <Russell.Hudson@melaren.org>, Samir Matta <SFMatta@lan-inc.com>, schock.michael@epa.gov, Sean Kammer <skammer@cityofflint.com>, "Stephen Busch (DEQ)" <BUSCHS@michigan.gov>, Warren Green <jwgreen@lan-inc.com>, John Monsees <jmonsees@cityofflint.com>

All,

I want to personally thank everyone for participating in today's meeting, it is encouraging to see the commitment that exists to address the concerns around health. I apologize for the poor phone reception we experienced today, I will have that corrected at the next meeting.

I am sending a summary of today's meeting and have attempted to chronicle the highlights or major points that we discussed. I have also included an electronic version of Marc Edwards presentation and will forward any other documents that are requested.

Please look for continued communication from me as we work to move forward as fast as possible. I expect to have November and December dates selected very soon and will maintain the stream of information to this team as it becomes available.

Please do not hesitate to email or call me with any questions or requests.

Thank you,

--

Howard Croft

Public Works Director

City of Flint

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Flint, MI 48502

PH# 810.766.7135 Ext.2043

hcroft@cityofflint.com

--

Howard Croft

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From: gdh2@aol.com
To: aleavitt@senatedems.org; edwardsm@vt.edu; hcroft@cityofflint.com; Amy.Hovey@mail.house.gov; bwright@cityofflint.com; lytle.darren@epa.gov; dwalling@cityofflint.com; donna.cole@genesys.org; [Dykema.Linda.D.\(DHHS\)](mailto:Dykema.Linda.D.(DHHS)); [Krisztian.George\(DEV\)](mailto:Krisztian.George(DEV)); jhenry@gchd.us; jgaskin@unitedwaygenesees.org; jlorenz@cityofflint.com; jmikewright@yahoo.com; jherman@genesys.org; jfbrien@gcdcwws.com; ksmith@flint.org; larry.koehler@mcc.edu; dr.laura2@gmail.com; LawrenceR@mottchc.org; reynolds@mottchc.org; mglasgow@cityofflint.com; Wright.Michael@epa.gov; milane@umflint.edu; [Prysbj.Mike\(DEV\)](mailto:Prysbj.Mike(DEV)); nhenderson@cityofflint.com; nbirchm1@hurleymc.com; plevine@gcms.org; rbincsik@cityofflint.com; rosejo@msu.edu; Russell.Hudson@mclaren.org; SFMatta@lan-inc.com; schock.michael@epa.gov; skammer@cityofflint.com; [Busch.Stephen\(DEV\)](mailto:Busch.Stephen(DEV)); jwgreen@lan-inc.com; [Wurfel.Brad\(DEV\)](mailto:Wurfel.Brad(DEV)); achubb@cityofflint.com; KEVIN.KEANE@cmsenergy.com
Subject: Re: 3rd Quarter Water Report
Date: Sunday, October 11, 2015 5:57:42 PM

Hi Howard,

The thoughts that both Andy and Marc shared sound wise. I'm curious though as to whether the TAC could be privy to the actual results of the Flint City water testing prior to the switch and this years values? Also, it would seem prudent to obtain the present Detroit Water System testing if available as well?

Thank you,
Gerald Natzke DO

-----Original Message-----

From: Andy Leavitt <aleavitt@senatedems.org>
To: Marc Edwards <edwardsm@vt.edu>; Howard Croft <hcroft@cityofflint.com>; Amy Hovey <Amy.Hovey@mail.house.gov>; Brent Wright <bwright@cityofflint.com>; Darren Lytle <lytle.darren@epa.gov>; Dayne Walling <dwalling@cityofflint.com>; donna.cole <donna.cole@genesys.org>; dykemal <dykemal@mich.gov>; George Krisztian (DEV) <krisztiang@michigan.gov>; Gerald (Jed) Natzke <gdh2@aol.com>; James Henry <jhenry@gchd.us>; Jamie Gaskin <jgaskin@unitedwaygenesees.org>; Jason Lorenz <jlorenz@cityofflint.com>; jmikewright <jmikewright@yahoo.com>; JoAnne Herman <jherman@genesys.org>; John O'Brien <jfbrien@gcdcwws.com>; Kirk Smith <ksmith@flint.org>; larry.koehler <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>; Michael Wright <Wright.Michael@epa.gov>; Mike Lane <milane@umflint.edu>; Mike Prysbj (DEV) <prysbj@michigan.gov>; Natasha Henderson <nhenderson@cityofflint.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; Pete Levine <plevine@gcms.org>; Robert Bincsik <rbincsik@cityofflint.com>; rosejo <rosejo@msu.edu>; Russell Hudson <Russell.Hudson@mclaren.org>; Samir Matta <SFMatta@lan-inc.com>; schock.michael <schock.michael@epa.gov>; Sean Kammer <skammer@cityofflint.com>; Stephen Busch (DEV) <BUSCHS@michigan.gov>; Warren Green <jwgreen@lan-inc.com>; Wurfel, Brad (DEV) (DEV) <WurfelB@michigan.gov>; Anthony Chubb <achubb@cityofflint.com>; Kevin Keane <KEVIN.KEANE@cmsenergy.com>
Sent: Sat, Oct 10, 2015 12:09 pm
Subject: Re: 3rd Quarter Water Report

I would echo Marc's sentiment on the bold language agreeing with his points but I would also add that trust needs to be rebuilt and the public simply will not believe anything in the document if you start by telling them it still meets standards. They do not differentiate between regs and rules but they know the water does not meet the standard of the physician community.

I would also recommend opening with timeline of going back to Detroit and what steps people can take to mitigate lead issues. Preferably with an excerpt from a physician.

The technical information matters for transparency but the trust gap is so wide that most people will be skeptical of all of it.

On Sat, Oct 10, 2015 at 11:48 AM Marc Edwards <edwardsm@vt.edu> wrote:

Hi Howard,

I think it is universally acknowledged now, that 30 seconds to 2 minutes flushing are not adequate, and **all public education should say 5 minutes flushing.**

I also think that given results of our team sampling 277 homes, the high levels of lead MDEQ detected in the Flint schools (a 90%ile over 15 ppb..which is horrible because they are not tier 1 plumbing sites), and the problems in the official LCR sampling conducted in late 2014-2015, that the following statement (in bold) is not really helpful in getting the message out about the current health risks. The bold statement seems more like wishful thinking or a legal position, and detracts from the goal of telling the public about the known problems.

*After 16 months of treating water from the Flint River, the City became aware that the while **still meeting all Safe Drinking Water Standards**, the level of corrosiveness could result in more lead leaching from service lines and household plumbing.*

That is my input. I am available at 540 231-7236 or 540 320-8740, if anyone should have questions about this.

Best Regards,

Marc Edwards

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

Sent: Saturday, October 10, 2015 8:33 AM

To: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Dayne Walling; donna. cole; dykema; edwardsm; George Krisztian (DEQ); Gerald (Jed) Natzke; Howard Croft; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Michael Wright; Mike Lane; Mike Prysby (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; schock.michael@epa.gov; Sean Kammer; Stephen Busch (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane

Subject: 3rd Quarter Water Report

Team,

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more information into the hands of the public about what's occurring within the water system and with the infrastructure.

I will be putting together a separate weekly report for this Committee.

Thank you,

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Howard Croft
Public Works Director
City of Flint
1101 S. Saginaw Street
Flint, MI 48502
PH# 810.766.7135 Ext.2043
hcroft@cityofflint.com

From: [Howard Croft](#)
To: [Reynolds, Lawrence](#)
Cc: [Lane, Mike](#); [Lytle, Darren](#); [Andy Leavitt](#); [Marc Edwards](#); [Amy Hovey](#); [Brent Wright](#); [Dayne Walling](#); [donna.cole](#); [Dykema, Linda D. \(DHHS\)](#); [Krisztian, George \(DEQ\)](#); [Gerald \(Jed\) Natzke](#); [James Henry](#); [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](#); [MVALACAK@gchd.us](#)
Subject: Re: 3rd Quarter Water Report
Date: Tuesday, October 13, 2015 5:59:26 PM

All,

The comments continue to be helpful and I am making adjustments as we go. I spent two hours at the Health Department today at their board meeting and we have greatly enhanced the communication between the City and the GCHD. I will be attending their future board meetings and will keep Mark and Jim not just apprised but involved in directional decisions as we continue to craft short and long term plans.

On Tue, Oct 13, 2015 at 10:39 AM, Reynolds, Lawrence <LawrenceR@mottchc.org> wrote:

Thank you Mr. Lane. These points will help medical providers stay on message with information our families can act on .

From: Lane, Mike [<mailto:mjlane@umflint.edu>]
Sent: Tuesday, October 13, 2015 9:53 AM
To: 'Lytle, Darren'; Howard Croft; Andy Leavitt
Cc: Marc Edwards; Amy Hovey; Brent Wright; Dayne Walling; donna.cole; dykemal; George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Reynolds, Lawrence; Reynolds, John O'Brien; 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

Subject: RE: 3rd Quarter Water Report

Howard,

I agree with Darren that it may be a good idea to let the community know and prepare them that while switching back to Detroit water in the near future they will likely see discolored water, particulates, etc. during the transition.

Also, providing specific details on how to sample water in their homes would be helpful... the first draw, how long to flush before taking the second sample, how long water should sit in pipes before the first draw, etc.

It would further help to rebuild trust with the community to share the City's plan/timeline of more aggressive water quality sampling, specifically as it relates to lead exposure in homes and schools. Is there a timeline that can be shared which the City is working with to identify homes with lead service lines, and how can the City and State work together to assist those homeowners with mitigation. Perhaps indicating that the issue of lead is and will remain a high priority for the City until all households, schools, etc. have reliable/safe water quality regardless of whether the source of lead is from city transmission lines or a property owner's service line and home fixtures would also be helpful.

Mike

** **

Michael Lane

Director, Environment, Health and Safety

The University of Michigan-Flint

810-766-6763

810-919-1709 cell

mjlane@umflint.edu

From: Lytle, Darren [<mailto:Lytle.Darren@epa.gov>]

Sent: Tuesday, October 13, 2015 7:40 AM

To: Howard Croft; Andy Leavitt

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

Subject: RE: 3rd Quarter Water Report

Howard,

I am in agreement with past comments and suggestions. Is this the time to let the public know your future plans? Are you expecting to be back to Detroit water next quarter? If so, that does not necessarily come without issues. It is a change and the potential for a brief upset (e.g., "red" water, particles, etc) exists. Would it be worth letting the public know in advance? Under "current drinking water issues", do you want to let residents know how and where to take samples here? A sampling plan (beyond LCR compliance sampling) is very important to understand the relative lead source (brass , solder and service lines) contributions, assess the current situation and the effectiveness of the return to Detroit water to reduce lead. You could state that on is being developed.

Darren

Darren A. Lytle, Ph.D., P.E.

Branch Chief (Acting)

U.S. Environmental Protection Agency

26 West Martin Luther King Dr.

Cincinnati, Ohio 45268

Phone: (513) 569-7432

Fax: (513) 487-2543

email: lytle.darren@epa.gov

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

Sent: Sunday, October 11, 2015 7:29 AM

To: Andy Leavitt

Cc: Marc Edwards; Amy Hovey; Brent Wright; Lytle, Darren; Dayne Walling; donna. cole; dykema;

George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Wright, Michael; Mike Lane; 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

Subject: Re: 3rd Quarter Water Report

All,

The comments were very helpful and I have made several revisions to the report that was sent yesterday, please review the amendments and forward any additional recommendations. I would like to solicit comments from anyone in the medical community that is willing to be quoted.

On Sat, Oct 10, 2015 at 12:03 PM, Andy Leavitt <aleavitt@senatedems.org> wrote:

I would echo Marc's sentiment on the bold language agreeing with his points but I would also add that trust needs to be rebuilt and the public simply will not believe anything in the document if you start by telling them it still meets standards. They do not differentiate between regs and rules but they know the water does not meet the standard of the physician community.

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From: [Howard Croft](#)
To: [larry.koehler@mcc.edu](#); [rosejo@msu.edu](#); [schock.michael@epa.gov](#); [Amy Hovey](#); [Andy Leavitt](#); [Brent Wright](#); [Darren Lytle](#); [Dayne Walling](#); [donna_cole](#); [edwardsm](#); [Krisztian_George \(DEQ\)](#); [Gerald \(Jed\) Natzke](#); [Howard Croft](#); [James Henry](#); [Jamie Gaskin](#); [Jason Lorenz](#); [jmikewright](#); [JoAnne Herman](#); [John O'Brien](#); [Kirk Smith](#); [Laura Sullivan](#); [Lawrence Reynolds](#); [Lawrence Reynolds](#); [Michael Glasgow](#); [Michael Wright](#); [Mike Lane](#); [Prysbv, Mike \(DEQ\)](#); [Natasha Henderson](#); [Norb Birchmeier](#); [Pete Levine](#); [Robert Bincsik](#); [Russell Hudson](#); [Samir Matta](#); [Sean Kammer](#); [Busch, Stephen \(DEQ\)](#); [Warren Green](#); [Kevin Keane](#); [Shekter Smith, Liane \(DEQ\)](#); [Dykema, Linda D. \(DHHS\)](#)
Subject: TAC Update 10_12_15
Date: Monday, October 12, 2015 4:42:00 PM
Attachments: [TAC Update 10_12_15.pdf](#)

All,

Here is the template that I anticipate using on a weekly basis to share information with the group. This aligns with other weekly updates that are provided by our engineering team and gives a good overview of the system as a whole. This is likely more information than some want and I will modify the report as requested to make sure everyone has adequate information going forward. The report is geared toward bringing KWA online and the goal of providing clean safe water for the residents.

I cannot commit to delivering this every Monday but I plan to get something out each week. Please let me know if there are items missing or that you would like to see added.

As always, comments are welcome.

Thank you,

--

Howard Croft
Public Works Director
City of Flint
1101 S. Saginaw Street
Flint, MI 48502
PH# 810.766.7135 Ext.2043
hcroft@cityofflint.com

From: [Howard Croft](#)
To: [Dykema, Linda D. \(DHHS\)](#)
Subject: Re: 3rd Quarter Water Report
Date: Monday, October 12, 2015 3:07:04 PM

Linda,

I tend to agree with you, this was largely designed as a continuation of our annual CCR but being delivered more frequently. A fair amount of the population will appreciate this information and does read through it, I think the key is to continuously press the messages forward in multiple venues. I am pursuing a media schedule to help reach out to every education level including talking to the school children. We hope to develop an array of materials that can help communicate to everyone.

Unfortunately the population that stands to be the most impacted is likely the least educated, I am open for all suggestions on how to help get public information to everyone.

On Mon, Oct 12, 2015 at 2:24 PM, Dykema, Linda D. (DHHS) <Dykemal@michigan.gov> wrote:

Howard,

I'm concerned that the reading level of the report is too high for the general public. The Flisch-Kincaid readability as analyzed in Word is 14.3, or more than a high-school education. In general, my health educators try to keep the reading level between 8th to 10th grade if possible, recognizing that sometimes we can't hit that mark due to the complexity of the topic.

Linda D. Dykema, Ph.D.

Environmental Public Health Director

Division of Environmental Health

Michigan Department of Health & Human Services

517.335.8566

dykemal@michigan.gov

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

Sent: Saturday, October 10, 2015 8:33 AM

To: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Dayne Walling; donna. cole; Dykema, Linda D. (DHHS); edwardsm; Krisztian, George (DEQ); Gerald (Jed) Natzke; Howard Croft; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Michael Wright; Mike Lane; Prysby, Mike (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; schock.michael@epa.gov; Sean Kammer; Busch, Stephen (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane

Subject: 3rd Quarter Water Report

Team,

Included in this email is a copy of the first quarter water quality report that has been developed by the Utilities Division. Please take a look and offer any comments that you may have regarding content. There will be an additional one page insert containing three months test data inserted prior to distribution.

The purpose of the quarterly mailer is to increase communication, provide more transparency, and put more information into the hands of the public about what's occurring within the water system and with the infrastructure.

I will be putting together a separate weekly report for this Committee.

Thank you,

--

Howard Croft

Public Works Director

City of Flint

1101 S. Saginaw Street

Flint, MI 48502

PH# 810.766.7135 Ext.2043

hcroft@cityofflint.com

--

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Public Works Director

City of Flint

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PH# 810.766.7135 Ext.2043

hcroft@cityofflint.com

From: [Howard Croft](#)
To: [Gerald \(Jed\) Natzke](#)
Cc: [Andy Leavitt](#); [Marc Edwards](#); [Amy Hovey](#); [Brent Wright](#); [Lytle, Darren](#); [Flint Mayor](#); [donna.cole](#); [Dykema, Linda D. \(DHS\)](#); [Krisztian, George \(DEQ\)](#); [Henry, James](#); [James Gaskin](#); [Jason Lorenz](#); [jmikewright](#); [JoAnne Herman](#); [John O'Brien](#); [Kirk Smith](#); [larry.koehler@mcc.edu](#); [Laura Sullivan](#); [Lawrence Reynolds](#); [Lawrence Reynolds](#); [Michael Glasgow](#); [Wright, Michael](#); [Lane, Mike](#); [Prysb, Mike \(DEQ\)](#); [Natasha Henderson](#); [Norb Birchmeier](#); [Pete Levine](#); [Robert Bincsik](#); [rosejo@msu.edu](#); [Russell Hudson](#); [Samir Matta](#); [schock.michael@epa.gov](#); [Sean Kammer](#); [Busch, Stephen \(DEQ\)](#); [Warren Green](#); [Wurfel, Brad \(DEQ\)](#); [Anthony Chubb](#); [Kevin Keane](#)
Subject: Re: 3rd Quarter Water Report
Date: Monday, October 12, 2015 8:39:54 AM
Attachments: [Quarterly CCR -Test Results.docx](#)

All,

In addition to the text, here is the single page of data that will accompany the mailer. We can add any specific information that is requested.

We will be tracking all of the Flint River testing data prior to the switch and it will be available to this group. We will work with Genesee County to obtain any water data that they have as well.

On Sun, Oct 11, 2015 at 5:57 PM, <gdn2@aol.com> wrote:

Hi Howard,

The thoughts that both Andy and Marc shared sound wise. I'm curious though as to whether the TAC could be privy to the actual results of the Flint City water testing prior to the switch and this years values? Also, it would seem prudent to obtain the present Detroit Water System testing if available as well?

Thank you,

Gerald Natzke DO

-----Original Message-----

From: Andy Leavitt <aleavitt@senatedems.org>

To: Marc Edwards <edwardsm@vt.edu>; Howard Croft <hcroft@cityofflint.com>; Amy Hovey <Amy.Hovey@mail.house.gov>; Brent Wright <bwright@cityofflint.com>; Darren Lytle <lytle.darren@epa.gov>; Dayne Walling <dwalling@cityofflint.com>; donna.cole <donna.cole@genesys.org>; dykemal <dykemal@mich.gov>; George Krisztian (DEQ) <krisztiang@michigan.gov>; Gerald (Jed) Natzke <gdn2@aol.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@gcdcwws.com>; Kirk Smith <ksmith@flint.org>; larry.koehler <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>; Michael Wright <Wright.Michael@epa.gov>; Mike Lane <milane@umflint.edu>; Mike Prysb (DEQ) <prysbym@michigan.gov>; Natasha Henderson <nhenderson@cityofflint.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; Pete Levine <plevine@gcms.org>; Robert Bincsik <rbincsik@cityofflint.com>; rosejo <rosejo@msu.edu>; Russell Hudson <Russell.Hudson@mclaren.org>; Samir Matta <SFmatta@lan-inc.com>; schock.michael <schock.michael@epa.gov>; Sean Kammer <skammer@cityofflint.com>; Stephen Busch (DEQ) <BUSCHS@michigan.gov>; Warren Green <jwgreen@lan-inc.com>; Wurfel, Brad (DEQ) (DEQ) <WurfelB@michigan.gov>; Anthony Chubb <achubb@cityofflint.com>; Kevin Keane <KEVIN.KEANE@cmsenergy.com>

Sent: Sat, Oct 10, 2015 12:09 pm

Subject: Re: 3rd Quarter Water Report

I would echo Marc's sentiment on the bold language agreeing with his points but I would also add that trust needs to be rebuilt and the public simply will not believe anything in the document if you start by telling them it still meets standards. They do not differentiate between regs and rules but they know the water does not meet the standard of the physician community.

I would also recommend opening with timeline of going back to Detroit and what steps people can take to mitigate lead issues. Preferably with an excerpt from a physician.

The technical information matters for transparency but the trust gap is so wide that most people will be skeptical of all of it.

On Sat, Oct 10, 2015 at 11:48 AM Marc Edwards <edwardsm@vt.edu> wrote:

Hi Howard,

I think it is universally acknowledged now, that 30 seconds to 2 minutes flushing are not adequate, and **all public education should say 5 minutes flushing.**

I also think that given results of our team sampling 277 homes, the high levels of lead MDEQ detected in the Flint schools (a 90%'ile over 15 ppb..which is horrible because they are not tier 1 plumbing sites), and the problems in the official LCR sampling conducted in late 2014-2015, that the following statement (in bold) is not really helpful in getting the message out about the current health risks. The bold statement seems more like wishful thinking or a legal position, and detracts from the goal of telling the public about the known problems.

*After 16 months of treating water from the Flint River, the City became aware that the while **still meeting all Safe Drinking Water Standards**, the level of corrosiveness could result in more lead leaching from service lines and household plumbing.*

That is my input. I am available at 540 231-7236 or 540 320-8740, if anyone should have questions about this.

Best Regards,

Marc Edwards

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

Sent: Saturday, October 10, 2015 8:33 AM

To: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Dayne Walling; donna. cole; dykema; edwardsm; George Krisztian (DEQ); Gerald (Jed) Natzke; Howard Croft; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Michael Wright; Mike Lane; Mike Prysby (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; schock.michael@epa.gov; Sean Kammer; Stephen Busch (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane

Subject: 3rd Quarter Water Report

Team,

Included in this email is a copy of the first quarter water quality report that has been developed by the Utilities Division. Please take a look and offer any comments that you may have regarding content. There will be an additional one page insert containing three months test data inserted prior to distribution.

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I will be putting together a separate weekly report for this Committee.

Thank you,

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Howard Croft
Public Works Director
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--

Howard Croft
Public Works Director
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PH# 810.766.7135 Ext.2043
hcroft@cityofflint.com

From: [Howard Croft](#)
To: [Busch, Stephen \(DEO\)](#)
Cc: [Krisztian, George \(DEO\)](#); [Dykema, Linda D. \(DHHS\)](#)
Subject: Re: Preliminary and deliberate information not subject to FOIA
Date: Monday, October 12, 2015 8:32:14 AM

Steve,

Let me know if you can link to the following address where we have mapped all of the schools. If you mouse over and click on each schoolhouse, additional data will pop up and we can populate that with contact information.

<http://arcg.is/1L4gZZk>

On Mon, Oct 12, 2015 at 8:00 AM, Howard Croft <hcroft@cityofflint.com> wrote:
Steve,

We have been going through the list and expect to have everything plotted and prioritized by Tuesday. I am verifying through the Treasurers office which schools are open with active water accounts.

On Fri, Oct 9, 2015 at 3:25 PM, Howard Croft <hcroft@cityofflint.com> wrote:
Steve,

Here is a list of Non-Public schools in Genesee County. There are only a few that are in Flint but all of the contact data is there. I have started working on a priority list and will have an update for you on Monday.

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Howard Croft
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From: [Howard Croft](#)
To: [Busch, Stephen \(DEQ\)](#)
Cc: [Krisztian, George \(DEQ\)](#); [Dykema, Linda D. \(DHHS\)](#)
Subject: Re: Preliminary and deliberate information not subject to FOIA
Date: Monday, October 12, 2015 8:00:29 AM

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From: [Howard Croft](#)
To: [Andy Leavitt](#)
Cc: [Marc Edwards](#); [Amy Hovey](#); [Brent Wright](#); [Darren Lytle](#); [Davne Walling](#); [donna_cole](#); [Dykema, Linda D. \(DHHS\)](#); [Krisztian, George \(DEQ\)](#); [Gerald \(Jed\) Natzke](#); [James Henry](#); [Jamie Gaskin](#); [Jason Lorenz](#); [jmikewright](#); [JoAnne Herman](#); [John O'Brien](#); [Kirk Smith](#); [larry.koehler@mcc.edu](#); [Laura Sullivan](#); [Lawrence Reynolds](#); [Lawrence Reynolds](#); [Michael Glasgow](#); [Michael Wright](#); [Mike Lane](#); [Prysbj, Mike \(DEQ\)](#); [Natasha Henderson](#); [Norb Birchmeier](#); [Pete Levine](#); [Robert Bincsik](#); [rosejo@msu.edu](#); [Russell Hudson](#); [Samir Matta](#); [schock.michael@epa.gov](#); [Sean Kammer](#); [Busch, Stephen \(DEQ\)](#); [Warren Green](#); [Wurfel, Brad \(DEQ\)](#); [Anthony Chubb](#); [Kevin Keane](#)
Subject: Re: 3rd Quarter Water Report
Date: Sunday, October 11, 2015 7:29:53 AM
Attachments: [3rd Quarter Water Quality Report \(2\).docx](#)

All,

The comments were very helpful and I have made several revisions to the report that was sent yesterday, please review the amendments and forward any additional recommendations. I would like to solicit comments from anyone in the medical community that is willing to be quoted.

On Sat, Oct 10, 2015 at 12:03 PM, Andy Leavitt <aleavitt@senatedems.org> wrote:

I would echo Marc's sentiment on the bold language agreeing with his points but I would also add that trust needs to be rebuilt and the public simply will not believe anything in the document if you start by telling them it still meets standards. They do not differentiate between regs and rules but they know the water does not meet the standard of the physician community.

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the while still meeting all Safe Drinking Water Standards, the level of corrosiveness could result in more lead leaching from service lines and household plumbing.

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

Sent: Saturday, October 10, 2015 8:33 AM

To: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Dayne Walling; donna. cole; dykema; edwardsm; George Krisztian (DEQ); Gerald (Jed) Natzke; Howard Croft; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Michael Wright; Mike Lane; Mike Prysby (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; schock.michael@epa.gov; Sean Kammer; Stephen Busch (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane

Subject: 3rd Quarter Water Report

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From: [Howard Croft](#)
To: [Amy Hovey](#); [Andy Leavitt](#); [Brent Wright](#); [Darren Lytle](#); [Davne Walling](#); [donna.cole](#); [Dykema, Linda D. \(DHHS\); edwardsm](#); [Krisztian, George \(DEQ\)](#); [Gerald \(Jed\) Natzke](#); [Howard Croft](#); [James Henry](#); [Jamie Gaskin](#); [Jason Lorenz](#); [jmikewright](#); [JoAnne Herman](#); [John O'Brien](#); [Kirk Smith](#); [jarry.koshler@mcc.edu](#); [Laura Sullivan](#); [Lawrence Reynolds](#); [Lawrence Reynolds](#); [Michael Glasgow](#); [Michael Wright](#); [Mike Lane](#); [Prysbj, Mike \(DEQ\)](#); [Natasha Henderson](#); [Norb Birchmeier](#); [Pete Levine](#); [Robert Bincsik](#); [rosejo@msu.edu](#); [Russell Hudson](#); [Samir Matta](#); [schock.michael@epa.gov](#); [Sean Kammer](#); [Busch, Stephen \(DEQ\)](#); [Warren Green](#); [Wurfel, Brad \(DEQ\)](#); [Anthony Chubb](#); [Kevin Keane](#)
Subject: 3rd Quarter Water Report
Date: Saturday, October 10, 2015 8:33:49 AM
Attachments: [3rd Quarter Water Quality Report.docx](#)

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From: [Howard Croft](#)
To: [Busch, Stephen \(DEQ\)](#)
Cc: [Krisztian, George \(DEQ\)](#); [Dykema, Linda D. \(DHHS\)](#)
Subject: Preliminary and deliberate information not subject to FOIA
Date: Friday, October 09, 2015 3:26:04 PM
Attachments: [NONPUBLIC SCHOOLS IN GENESEE COUNTY.pdf](#)

Steve,

Here is a list of Non-Public schools in Genesee County. There are only a few that are in Flint but all of the contact data is there. I have started working on a priority list and will have an update for you on Monday.

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hcroft@cityofflint.com

From: [Howard Croft](#)
To: [Dykema, Linda D. \(DHHS\)](#); [Krisztian, George \(DEQ\)](#)
Subject: Fwd: TAC Team Summary 10_7_15
Date: Friday, October 09, 2015 12:47:28 PM
Attachments: [Flint Corrosion Presentation final.pdf](#)
[TAC Meeting Summary 10_7_15.pdf](#)

----- Forwarded message -----

From: **Howard Croft** <hcroft@cityofflint.com>
Date: Wed, Oct 7, 2015 at 9:42 PM
Subject: TAC Team Summary 10_7_15
To: Amy Hovey <Amy.Hovey@mail.house.gov>, Andy Leavitt <aleavitt@senatedems.org>, Brent Wright <bwright@cityofflint.com>, Darren Lytle <lytle.darren@epa.gov>, Dayne Walling <dwalling@cityofflint.com>, "donna.cole" <donna.cole@genesys.org>, edwardsm <edwardsm@vt.edu>, "Gerald (Jed) Natzke" <gdn2@aol.com>, Howard Croft <hcroft@cityofflint.com>, James Henry <jhenry@gchd.us>, Jamie Gaskin <jgaskin@unitedwaygeneseesee.org>, Jason Lorenz <jlorenz@cityofflint.com>, jmikewright <jmikewright@yahoo.com>, JoAnne Herman <jherman@genesys.org>, John O'Brien <jfobrien@gcdewws.com>, Kirk Smith <ksmith@flint.org>, larry.koehler@mcc.edu, Laura Sullivan <dr.laura2@gmail.com>, Lawrence Reynolds <LawrenceR@mottche.org>, Lawrence Reynolds <reynolds@mottche.org>, Michael Glasgow <mglasgow@cityofflint.com>, Michael Wright <Wright.Michael@epa.gov>, Mike Lane <milane@umflint.edu>, "Mike Prysby (DEQ)" <prysbym@michigan.gov>, Natasha Henderson <nhenderson@cityofflint.com>, Norb Birchmeier <nbirchml@hurleymc.com>, Pete Levine <plevine@gcms.org>, Robert Binesik <rbinesik@cityofflint.com>, rosejo@msu.edu, Russell Hudson <Russell.Hudson@mclaren.org>, Samir Matta <SFmatta@lan-inc.com>, schock.michael@epa.gov, Sean Kammer <skammer@cityofflint.com>, "Stephen Busch (DEQ)" <BUSCHS@michigan.gov>, Warren Green <jwgreen@lan-inc.com>, John Monsees <jmonsees@cityofflint.com>

All,

I want to personally thank everyone for participating in today's meeting, it is encouraging to see the commitment that exists to address the concerns around health. I apologize for the poor phone reception we experienced today, I will have that corrected at the next meeting.

I am sending a summary of today's meeting and have attempted to chronicle the highlights or major points that we discussed. I have also included an electronic version of Marc Edwards presentation and will forward any other documents that are requested.

Please look for continued communication from me as we work to move forward as fast as possible. I expect to have November and December dates selected very soon and will maintain the stream of information to this team as it becomes available.

Please do not hesitate to email or call me with any questions or requests.

Thank you,

--

Howard Croft

Public Works Director

City of Flint

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--

Howard Croft

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City of Flint

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hcroft@cityofflint.com

From: Krisztian, George (DEQ)
To: Dayne Walling; Natasha Henderson (nhenderson@cityofflint.com); Howard Croft (hcroft@cityofflint.com)
Cc: Wyant, Dan (DEQ); Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ); Wurfel, Brad (DEQ); Ballone, Maggie (DEQ); Tommasulo, Karen (DEQ); Dykema, Linda D. (DHHS); Edgerton, Shelly (LARA); Lyon, Nick (DHHS); Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ)
Subject: Preliminary and Deliberative: Not subject to FOIA Weekly meetings
Date: Monday, October 12, 2015 11:36:45 AM
Importance: High

Mr. Mayor,

I would like to schedule weekly meetings with you and your key staff so that we can ensure that we have a coordinated effort in resolving the water issue. I would like for the initial meetings to be face to face and I, along with others, will come to Flint for these.

If possible I would like the first meeting to be either Tuesday or Wednesday of this week (10/13 or 10/14) and I would also like to ask for a tour of the Flint Water Treatment Plant.

Mary Beth Thelen will serve as the DEQ's point on coordinating these meetings. Can you please let us know who would be the appropriate contact on your end?

Thank you very much!
George

George L. Krisztian
Flint Action Plan Coordinator
Laboratory Director
Michigan Department of Environmental Quality
Desk ph (517) 284-6719
Cell ph (517) 204-0381

From: [Lane, Mike](#)
To: "[Lytle, Darren](#)"; [Howard Croft](#); [Andy Leavitt](#)
Cc: [Marc Edwards](#); [Amy Hovey](#); [Brent Wright](#); [Dayne Walling](#); [donna.cole](#); [Dykema, Linda D. \(DHHS\)](#); [Krisztian, George \(DEQ\)](#); [Gerald \(Jed\) Natzke](#); [James Henry](#); [Jamie Gaskin](#); [Jason Lorenz](#); [jmikewright](#); [JoAnne Herman](#); [John O'Brien](#); [Kirk Smith](#); [larry.koehler@mcc.edu](#); [Laura Sullivan](#); [Lawrence Reynolds](#); [Lawrence Reynolds](#); [Michael Glasgow](#); [Wright, Michael](#); [Prysb, 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](#)
Subject: RE: 3rd Quarter Water Report
Date: Tuesday, October 13, 2015 9:52:47 AM

Howard,

I agree with Darren that it may be a good idea to let the community know and prepare them that while switching back to Detroit water in the near future they will likely see discolored water, particulates, etc. during the transition.

Also, providing specific details on how to sample water in their homes would be helpful... the first draw, how long to flush before taking the second sample, how long water should sit in pipes before the first draw, etc.

It would further help to rebuild trust with the community to share the City's plan/timeline of more aggressive water quality sampling, specifically as it relates to lead exposure in homes and schools. Is there a timeline that can be shared which the City is working with to identify homes with lead service lines, and how can the City and State work together to assist those homeowners with mitigation. Perhaps indicating that the issue of lead is and will remain a high priority for the City until all households, schools, etc. have reliable/safe water quality regardless of whether the source of lead is from city transmission lines or a property owner's service line and home fixtures would also be helpful.

Mike

** ** ** ** **

Michael Lane
Director, Environment, Health and Safety
The University of Michigan-Flint
810-766-6763
810-919-1709 cell
mjlane@umflint.edu

From: Lytle, Darren [mailto:Lytle.Darren@epa.gov]
Sent: Tuesday, October 13, 2015 7:40 AM
To: Howard Croft; Andy Leavitt
Cc: Marc Edwards; Amy Hovey; Brent Wright; Dayne Walling; donna.cole; dykema; George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Wright, Michael; Lane, Mike; Mike Prysb (DEQ); Natasha Henderson;

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Subject: RE: 3rd Quarter Water Report

Howard,

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Darren A. Lytle, Ph.D., P.E.
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26 West Martin Luther King Dr.
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Fax: (513) 487-2543
email: lytle.darren@epa.gov

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

Sent: Sunday, October 11, 2015 7:29 AM

To: Andy Leavitt

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

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Best Regards,

Marc Edwards

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

Sent: Saturday, October 10, 2015 8:33 AM

To: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Dayne Walling; donna. cole; dykema; edwardsm; George Krisztian (DEQ); Gerald (Jed) Natzke; Howard Croft; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Michael Wright; Mike Lane; Mike Prysby (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; schock.michael@epa.gov; Sean Kammer; Stephen Busch (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane

Subject: 3rd Quarter Water Report

Team,

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I will be putting together a separate weekly report for this Committee.

Thank you,

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From: [Laura Sullivan](#)
To: [Howard Croft](#)
Cc: [Gerald \(Jed\) Natzke](#); [Andy Leavitt](#); [Marc Edwards](#); [Amy Hovey](#); [Brent Wright](#); [Lytie, Darren](#); [Flint Mayor](#); [donna.cole](#); [Dykema, Linda D. \(DHHS\)](#); [Krisztian, George \(DEQ\)](#); [Henry, James](#); [James Gaskin](#); [Jason Lorenz](#); [jmikewright](#); [JoAnne Herman](#); [John O'Brien](#); [Kirk Smith](#); [larry.koehler@mcc.edu](#); [Lawrence Reynolds](#); [Lawrence Reynolds](#); [Michael Glasgow](#); [Wright, Michael](#); [Lane, Mike](#); [Prysbj, Mike \(DEQ\)](#); [Natasha Henderson](#); [Norb Birchmeier](#); [Pete Levine](#); [Robert Bincsik](#); [rosejo@msu.edu](#); [Russell Hudson](#); [Samir Matta](#); [schock.michael@epa.gov](#); [Sean Kammer](#); [Busch, Stephen \(DEQ\)](#); [Warren Green](#); [Wurfel, Brad \(DEQ\)](#); [Anthony Chubb](#); [Kevin Keane](#)
Subject: Re: 3rd Quarter Water Report
Date: Tuesday, October 13, 2015 7:00:30 PM

Howard,

Am I reading this correctly? Does this say that only 16 of 189 water test samples collected between January and September had lead levels exceeding 15 ppb?

What was the 90th percentile value?

Could you provide the committee with the sample collection date, lead level, and address for these 189 residences? If not that, then the zip codes and collection dates for each?

Laura Sullivan

On Monday, October 12, 2015, Howard Croft <hcroft@cityofflint.com> wrote:

All,

In addition to the text, here is the single page of data that will accompany the mailer. We can add any specific information that is requested.

We will be tracking all of the Flint River testing data prior to the switch and it will be available to this group. We will work with Genesee County to obtain any water data that they have as well.

On Sun, Oct 11, 2015 at 5:57 PM, <gdn2@aol.com> wrote:

Hi Howard,

The thoughts that both Andy and Marc shared sound wise. I'm curious though as to whether the TAC could be privy to the actual results of the Flint City water testing prior to the switch and this years values? Also, it would seem prudent to obtain the present Detroit Water System testing if available as well?

Thank you,

Gerald Natzke DO

-----Original Message-----

From: Andy Leavitt <aaleavitt@senatedems.org>

To: Marc Edwards <edwardsm@vt.edu>; Howard Croft <hcroft@cityofflint.com>; Amy Hovey <Amy.Hovey@mail.house.gov>; Brent Wright <bwright@cityofflint.com>; Darren Lytle <lytle.darren@epa.gov>; Dayne Walling <dwalling@cityofflint.com>; donna.cole <donna.cole@genesys.org>; dykemal <dykemal@mich.gov>; George Krisztian (DEQ) <krisztiang@michigan.gov>; Gerald (Jed) Natzke <gdn2@aol.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>; Kirk Smith <ksmith@flint.org>;

larry.koehler <larry.koehler@mcc.edu>; Laura Sullivan <dr.laura2@gmail.com>; Lawrence Reynolds <LawrenceR@mottchc.org>; Lawrence Reynolds <reynolds@mottchc.org>; Michael Glasgow <mglasgow@cityofflinc.com>; Michael Wright <Wright.Michael@epa.gov>; Mike Lane <mjlane@umflint.edu>; Mike Prysby (DEQ) <prysbym@michigan.gov>; Natasha Henderson <nhenderson@cityofflinc.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; Pete Levine <plevine@gcms.org>; Robert Bincsik <rbincsik@cityofflinc.com>; rosejo <rosejo@msu.edu>; Russell Hudson <Russell.Hudson@mclaren.org>; Samir Matta <SFMatta@lan-inc.com>; schock.michael <schock.michael@epa.gov>; Sean Kammer <skammer@cityofflinc.com>; Stephen Busch (DEQ) <BUSCHS@michigan.gov>; Warren Green <jwgreen@lan-inc.com>; Wurfel, Brad (DEQ) <WurfelB@michigan.gov>; Anthony Chubb <achubb@cityofflinc.com>; Kevin Keane <KEVIN.KEANE@cmsenergy.com>

Sent: Sat, Oct 10, 2015 12:09 pm

Subject: Re: 3rd Quarter Water Report

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Best Regards,
Marc Edwards

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Sent: Saturday, October 10, 2015 8:33 AM

To: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Dayne Walling; donna. cole; dykema; edwardsm; George Kriztian (DEQ); Gerald (Jed) Natzke; Howard Croft; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; John O'Brien; Kirk Smith; larry.koehler@mcc.edu; Laura Sullivan; Lawrence Reynolds; Lawrence Reynolds; Michael Glasgow; Michael Wright; Mike Lane; Mike Prysby (DEQ); Natasha Henderson; Norb Birchmeier; Pete Levine; Robert Bincsik; rosejo@msu.edu; Russell Hudson; Samir Matta; schock.michael@epa.gov; Sean Kammer; Stephen Busch (DEQ); Warren Green; Wurfel, Brad (DEQ); Anthony Chubb; Kevin Keane

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Laura L. Sullivan, Ph. D.
3101 Hawthorne Drive
Flint, Michigan 48503
dr.laura2@gmail.com

Human(kind). Be both.

From: [Lytle, Darren](#)
To: [Howard Croft](#); [Andy Leavitt](#)
Cc: [Marc Edwards](#); [Amy Hovey](#); [Brent Wright](#); [Dayne Walling](#); [donna.cole](#); [Dykema, Linda D. \(DHHS\)](#); [Krisztian, George \(DEQ\)](#); [Gerald \(Jed\) Natzke](#); [James Henry](#); [Jamie Gaskin](#); [Jason Lorenz](#); [jmikewright](#); [JoAnne Herman](#); [John O'Brien](#); [Kirk Smith](#); [larry.koehler@mcc.edu](#); [Laura Sullivan](#); [Lawrence Reynolds](#); [Lawrence Reynolds](#); [Michael Glasgow](#); [Wright, Michael](#); [Mike Lane](#); [Prysbys, 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](#)
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Date: Tuesday, October 13, 2015 7:40:58 AM

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