
From: Michael Glasgow <mglasgow@cityofflint.com>
Sent: Thursday, December 03, 2015 2:21 PM
To: Krisztian, George (DEQ)
Subject: School Testing

Follow Up Flag: Follow up
Flag Status: Flagged

George,

I have been contacted in regards to testing from the Genesee Intermediate School District for their Head Start Programs. Here is the list of schools and contact information.

- GISD Learning Center, 1221 E. Bristol Road, Burton 48529
- Cathedral of Faith, 6031 Dupont, Flint 48505
- Summerfield, 1360 Milbourne Avenue, Flint 48504
- Manley, 3002 Farley Street, Flint 48507
- Stalker, 3329 Burnell Avenue, Flint 48504
- Mott College, Head Start portable unit, 1401 E. Court Street, Flint 48503

Susan D. Fleming, Ph.D.
Early Childhood Director, Birth to Third Grade
Health, Safety and Nutrition Services
Genesee Intermediate School District
810-591-5716

--
Mike Glasgow
Utilities Administrator
City of Flint
1101 S. Saginaw St.
Flint, MI 48502
(810)766-7135 ext. 2602

From: Maintenance, Powers <maintenance@powerscatholic.org>
Sent: Tuesday, November 17, 2015 3:14 PM
To: Krisztian, George (DEQ)
Subject: Plumbing Testing

Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Krisztian,

Luke M. Powers High School, located at 1505 W. Court St. Flint, Mi. would like to get on your list of schools to have our plumbing tested for possible lead contaminates.

My name is Paul Bosak, my cell phone number is PPI

I understand, from our phone conversation today that this process might not happen for two to three months.

I'm looking forward to meeting you or your staff.
Thank You in advance,
Paul Bosak

From: Michael Glasgow <mglasgow@cityofflint.com>
Sent: Monday, November 02, 2015 5:18 PM
To: Krisztian, George (DEQ)
Subject: School testing for lead & copper

Follow Up Flag: Follow up
Flag Status: Flagged

George,

I have recently received some inquiries regarding lead & copper testing at a couple of local schools and wanted to pass along the information. The International Academy of Flint had collected samples using our process for residential homes, while we were offering free testing to residents. If there is anything I can do to help facilitate testing, please let me know.

1. International Academy of Flint, 2820 S. Saginaw St. Flint, MI 48503 (810) 600-5000.
2. St. Paul Lutheran, 402 S. Ballenger Hwy. Flint, MI 48532 (810) 239-6733

Thank you,

—

Mike Glasgow
Utilities Administrator
City of Flint
1101 S. Saginaw St.
Flint, MI 48502
(810)766-7135 ext. 2602

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER LABORATORY**



P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-8184

**Sample Number
LF97352**

Official Laboratory Report

Report To: TAMMY WALL
38900 W HURON RIVER DR
ROMULUS MI 48174

System Name/Owner: CITY OF FLINT
Collection Address: 3707 DAKOTA AVE, FLINT
Collected By: MATT DUNCAN
County: Genesee
Sample Point: KF-A1 KITCHEN

Date Collected: 12/18/2015 09:38
Date Received: 12/18/2015 15:15

TESTING INFORMATION		REGULATORY INFORMATION		
Analyte Name	Result (mg/L)	Date Tested	Reporting Limit (mg/L)	Action Level (mg/L)
Copper	Not detected	12/21/2015	0.05	1.3
Lead	Not detected	12/21/2015	0.001	0.015

Understanding Your Lead Results:

- Lead results are reported in mg/L
 - To turn mg/L into parts per billion or ppb move the decimal 3 places to the right
 - For example 0.019 mg/L becomes 19 ppb and 0.004 becomes 4 ppb
 - Not Detected means that the amount of lead in your water was less than 1 ppb
 - The Reporting Limit is the smallest number that can be reported
 - For Lead the Reporting Limit is 1 ppb
 - For Copper the Reporting Limit is 50 ppb
 - The Action Level is the number that is used to help determine regulatory compliance
 - The Action Level for Lead is 15 ppb
 - The Action Level for Copper is 1,300 ppb
- No matter what your lead result is, you should continue to use a filter until the Public Health Emergency Declaration has been lifted.**

Call your County Health Department at the number below if you have questions
Genesee County Health Dept.
 630 South Saginaw
 Flint, MI 48502-1540
 810 257-3603

To: Shaler, Karen (DEQ)
Subject: Governor's report for 12/21/15
Attachments: Fwd: EPA Flint Drinking Water Task Force Recommendations -- Performance Evaluation Period; Nutrition and Lead release_Dec18_FINAL.DOCX
Importance: High

Hi Karen,

Attached is this week's report to the Governor.

Please note that there are two attachments.

Thank you
George

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

From: Sygo, Jim (DEQ)
Sent: Wednesday, December 16, 2015 7:49 PM
To: Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ); Krisztian, George (DEQ)
Subject: Fwd: EPA Flint Drinking Water Task Force Recommendations -- Performance Evaluation Period
Attachments: performance evaluation period 12-16-15 final.pdf; ATT00001.htm

FYI

Sent from my iPhone

Begin forwarded message:

From: "Kaplan, Robert" <kaplan.robert@epa.gov>
Date: December 16, 2015 at 5:47:22 PM EST
To: Natasha Henderson <nhenderson@cityofflint.com>
Cc: "Sygo, Jim (DEQ)" <SygoJ@michigan.gov>
Subject: EPA Flint Drinking Water Task Force Recommendations -- Performance Evaluation Period

Natasha,

Attached please find the EPA Flint Drinking Water Task Force Recommendations for a Performance Evaluation Period.

As we discussed on December 11 and December 15, it is important to gain operational experience at the Flint Plant prior to distribution of KWA-sourced water. We have informally referred to this as a "shakedown" period for ensuring a safe and appropriate transition to the new water source.

Please feel free to call me if you have any questions. We are pleased to continue to work together.

- Bob

Cc: Jim Sygo, MDEQ

Flint Drinking Water Task Force (FTF 15-5)

Task Force Recommendations Regarding Flint Drinking Water Treatment Performance Evaluation

For protection of public health, Flint must avoid significant distribution system issues similar to those experienced following the source water switch to the Flint River and subsequent operation of Flint's water treatment plant.

The EPA Flint Safe Drinking Water Task Force recommends that Flint develop and implement a Performance Assessment Plan prior to distribution of water from the Karegnondi Water Authority (KWA) source. The plan must address how the treatment plant will be brought on-line, and how finished drinking water will be introduced to the distribution system. This plan is particularly important given the City has no experience treating the KWA-supplied water, and is operating a distribution system that is still recovering from the past upset.

Flint should work with its consultant and MDEQ to establish objective water quality and plant performance criteria. The plan must include operation of Flint's drinking water treatment plant for a reasonable period of time to treat KWA-supplied water until:

- (1) the treated water meets finished water quality goals;
- (2) the finished water quality is consistently maintained;
- (3) potential plant operational and mechanical start-up issues are identified and addressed; and
- (4) water plant operations staff are proficient in treating the new source.

KWA water should not be distributed to the public until these conditions are satisfied.

During this performance evaluation period, Flint must distribute to the public water from an alternate source. As water is already received from Detroit (Great Lakes Water Authority), that is an obvious and appropriate choice for that interim period. The length of the performance evaluation period will be dependent on the amount of time it takes for the treatment plant to consistently and reliably meet the performance criteria.

Because of similarities in source water and in treatment processes with Detroit's Huron plant, the Flint water plant will likely be configured to produce treated water with similar quality to that of the water currently being received from Detroit. Continued use of Detroit water during the performance evaluation period will minimize the risk of distribution system upsets.

We encourage Flint and the City's consultant to perform a number of assessments prior to the completion of the KWA pipeline and availability of the Lake Huron source water to expedite the plant transition period. For example, the planned bench-scale jar tests will be helpful in establishing full-scale treatment plant operating parameters. Assessment of corrosion control treatment using Detroit source water with lead pipe loop rigs in advance of switching to the KWA source may also be transferrable to the KWA source water. Pipe loops rigs operated during the performance assessment period will help predict whether lead release will be an issue when the new plant goes on line. EPA will work with the City to set up pipe loops at the Flint treatment plant.

Sent: Tuesday, January 05, 2016 8:45 AM
To: Shane, Kirby (DEQ);Smith, Carol (DEQ);Pieper, Julia (DEQ)
Cc: Dykema, Linda D. (DHHS)
Subject: Flint Home owner lead results

Importance: High

If you come across any lead result that is 100 ppb or greater, please send me an e-mail with the contact information. Since the client is always listed as Mike Glasgow, City of Flint, please provide the sampling address so that a google search can be done to find out who the appropriate contact would be. If the paperwork has that information then please provide it.

Please make sure that this information is provided once the data has been validated. There is no need to wait until the final report has been issued. This only applies to Flint homeowner samples and not the school testing samples. The School samples are going through a different process that does not require follow up contact by DHHS.

Please make sure that you include Linda Dykema on the e-mail as DHHS will be making the contact.

Thank you!
George

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

From: Krisztian, George (DEQ)
Sent: Friday, September 25, 2015 10:58 AM
To: Pieper, Julia (DEQ)
Subject: FW: Detroit News article about lead testing

FYI

George L. Krisztian
 Laboratory Director
 Michigan Department of Environmental Quality
 (517) 335-8812

From: Leeming, Susan (DEQ)
Sent: Friday, September 25, 2015 10:46 AM
To: Krisztian, George (DEQ)
Cc: Wagner, Robert (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ)
Subject: RE: Detroit News article about lead testing

I talked to Richard Benzie. He said that the City of Flint is providing free lead testing. Steve Busch or Mike Prysby might have a phone number or more info that you can pass on.

Sue Leeming, Assistant Chief
 Remediation and Redevelopment Division
 Department of Environmental Quality
PPI (cell)
 517-284-5091 (desk)

From: Krisztian, George (DEQ)
Sent: Friday, September 25, 2015 10:33 AM
To: Wagner, Robert (DEQ) <WAGNERR1@michigan.gov>; Leeming, Susan (DEQ) <Leeming5@michigan.gov>
Subject: Detroit News article about lead testing
Importance: High

Hi Bob and Sue,

You may want to read the following article:

<http://www.detroitnews.com/story/news/local/michigan/2015/09/24/flint-plans-advisory-curbing-exposure-lead/72725736/>

The most pertinent part is:

"State regulators insist the water is safe, although they're urging anyone with concerns to have their water tested for free."

As you can imagine we have been getting quite a few calls about the "Free lead testing" that we provide. We have been informing callers that the article got it wrong and that we are a fee based service. People have been irritated with us but there is nothing that we can do about the situation. I just want to give you the heads up in case someone complains to their legislator about the Lab.

Please note that the article does not even mention the DEQ Lab or the Lab that is offering this "free service".

Brad is mentioned in the article and he probably should be made aware of the situation. What is the best way to do that?

George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Krisztian, George (DEQ)
Sent: Friday, September 25, 2015 12:21 PM
To: Busch, Stephen (DEQ)
Subject: RE: Detroit News article about lead testing

Thank you!

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Busch, Stephen (DEQ)
Sent: Friday, September 25, 2015 12:16 PM
To: Krisztian, George (DEQ)
Subject: FW: Detroit News article about lead testing

I thought I had included you, not Susan when I hit reply.

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: Busch, Stephen (DEQ)
Sent: Friday, September 25, 2015 12:11 PM
To: Leeming, Susan (DEQ)
Cc: Wurfel, Brad (DEQ)
Subject: RE: Detroit News article about lead testing

George,

Sorry about the confusion. While we have said all along that the City of Flint has indicated that they are willing to test customer water for lead, the media doesn't appear to have carried the message through in their article. You can inform Flint customers that they can contact the Flint Water Treatment Plant at 810-787-6537.

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

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Sue Leeming, Assistant Chief
 Remediation and Redevelopment Division
 Department of Environmental Quality
 PPI (cell)
 (517) 284-5081 (desk)

From: Krisztian, George (DEQ)
Sent: Friday, September 25, 2015 10:33 AM
To: Wagner, Robert (DEQ) <WAGNERR1@michigan.gov>; Leeming, Susan (DEQ) <Leeming5@michigan.gov>
Subject: Detroit News article about lead testing
Importance: High

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Please note that the article does not even mention the DEQ Lab or the Lab that is offering this "free service".

Brad is mentioned in the article and he probably should be made aware of the situation. What is the best way to do that?

George

George L. Krisztian
 Laboratory Director
 Michigan Department of Environmental Quality
 (517) 335-8812

From: Krisztian, George (DEQ)
Sent: Friday, October 02, 2015 8:30 AM
To: Smith, Carol (DEQ);Shane, Kirby (DEQ);Pieper, Julia (DEQ)
Subject: NOT FOR DISTRIBUTION!!!
Attachments: NR 151002 - Flint water action plan.docx; Infographic - Flint Water Action Plan 10-2-15.pdf; Infographic - Flint water tips 10-2-15.pdf

Importance: High

Here is an outline of the action plan **for your information ONLY.** Please do not distribute these materials to anyone as these items are the topic of this afternoon's press conference and this information will be made available at that time.

I am sharing this information to assist you in planning for the potential increase in sample load.

Thank you
George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812



STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:

Sara Wurfel or Dave Murray
Governor's Office: 517-335-6397

Brad Wurfel, 517-284-6713
or Karen Tommasulo, 517-284-6714
Department of Environmental Quality

Jennifer Eisner, 517-230-9804
Department of Health and Human Services

FOR IMMEDIATE RELEASE

Friday, Oct. 2, 2015

Gov. Rick Snyder: Comprehensive action plan will help Flint residents address water concerns

Collaborative effort with state, federal and city leaders focuses on testing, assistance

FLINT, Mich. – Flint residents need to have access to safe, clean, water now and long into the future, Gov. Rick Snyder said, announcing a comprehensive action plan created with state, federal and city leaders to address concerns about drinking water.

The water leaving Flint's drinking water system is safe to drink, but some families with lead plumbing in their homes or service connections could experience higher levels of lead in the water that comes out of their faucets.

The action plan focuses on increasing water testing, offering additional precautions for families with lead plumbing in their homes, and providing long-term solutions to address the city's water infrastructure challenges. The plan was created at Snyder's direction by the Michigan Departments of Environmental Quality (DEQ) and Health and Human Services (DHHS), the U.S. Environmental Protection Agency, and the city of Flint.

"We are focused on helping ensure safe, clean, accessible drinking water and addressing and mitigating concerns and protecting public health," Snyder said. "Today's action plan builds upon ongoing work with local, state and federal agencies and our partnership with city and community leaders. Together, we are working to ensure that all Flint residents have accurate information and know that help is available to address potential problems."

The city and the state also are working together to gather more data to ensure the water that leaves the treatment plant as well as the water that arrives in Flint homes is safe for all residents. The plan includes:

- Testing in Flint public schools immediately to ensure that drinking water is safe, with testing also available at no cost to any other school in Flint.
- Offering free water testing to Flint residents to assure their drinking water is safe.
- Providing free water filters to residents with concerns or who are included in state assistance programs.
- Expanding health exposure testing of individual homes.

- Accelerating corrosion controls in the Flint drinking water system.
- Accelerating water system improvements to address replacing lead service lines.
- Expediting the completion of the Karegnondi Water Authority pipeline.
- Expanding a Safe Drinking Water Technical Advisory Committee to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.
- Naming Dr. Eden Wells, chief medical executive for the Michigan Department of Health and Human Services, as the Flint drinking water public health adviser.
- Boosting a comprehensive lead education program to make sure residents have detailed information about how to protect themselves and their homes.

Residents can have their water tested by calling 810-787-6537 and pressing 1, or emailing flintwater@cityofflint.com. The DEQ is covering the cost of this testing.

State leaders have been working closely with state and federal lawmakers to tap resources at all levels of government to address concerns.

State health experts said there has been an increase in elevated childhood blood lead levels in some specific communities. Initial analysis of MDHHS data found that blood lead levels of children in Flint have followed an expected seasonal trend. While this analysis for Flint as a whole remains true, a comprehensive and detailed review breaking down data by ZIP codes with the city revealed that MDHHS data is consistent with a study presented recently by Hurley Children's Hospital.

"While we cannot conclusively say that the water source change is the sole cause of the increase, this analysis supports our efforts as we take active steps to reduce all potential lead exposures in Flint," MDHHS Director Nick Lyon said. "As part of this, we are working closely with our public and private partners to provide Flint residents on MDHHS assistance programs with free water filters and inform families about the steps they can take to reduce all lead exposures in their home."

As a part of the action plan, MDHHS is making National Sanitation Foundation certified water filters available to clients who are active Family Independence Program, Food Assistance Program, Child Development and Care or Social Security Insurance recipients.

"This action plan offers concrete steps we will take in a local, state and federal partnership to ensure all Flint residents have safe water to drink," DEQ Director Dan Wyant said. "The DEQ will work closely with the city to gather further data to ensure the water that leaves Flint's system as well as the water that arrives in Flint homes is safe to drink."

Additional information is available at www.michigan.gov/flintwater.

###



- The Action Plan -

■ **Testing in Flint public schools immediately to ensure that drinking water is safe**, with testing also available at no cost to any other school in Flint.

■ **Offering free water testing** to Flint residents to assure their drinking water is safe.

■ **Providing free water filters** to residents with concerns or who are included in state assistance programs.

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■ **Accelerating corrosion controls** in the Flint drinking water system.

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■ **Naming Dr. Eden Wells**, chief medical executive for the Michigan Department of Health and Human Services, as the **Flint drinking water public health adviser.**

■ **Boosting a comprehensive lead education program** to make sure residents have detailed information about how to protect themselves and their homes.

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6637 and then press 1.
You can also email flintwater@cityofflint.com

Visit www.mi.gov/FlintWater for more information

TAKING ACTION ON FLINT WATER

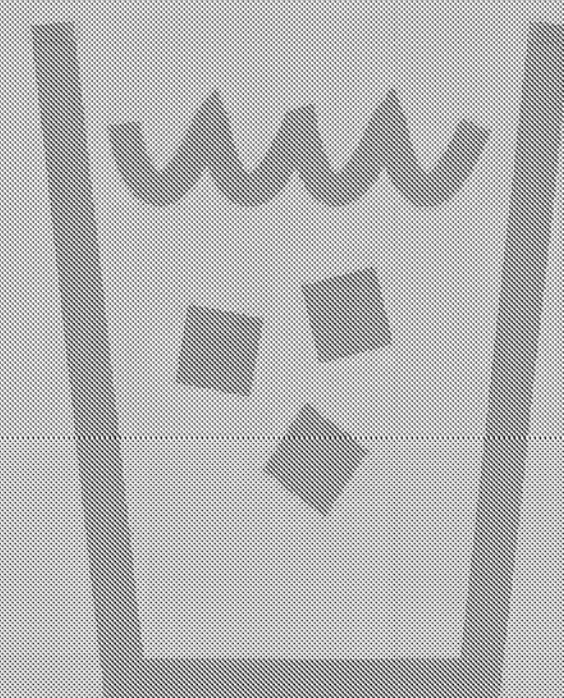
www.mi.gov/FlintWater

- Tips for Flint Residents -

Lead plumbing is common in homes built prior to 1986, and **anyone in the state with lead pipes in their home can take some extra precautions** to minimize lead in their drinking water.

1.

Get your water tested at no cost to ensure water is safe. **To get your water tested**, please call the city of Flint Water Plant at (810) 787-6537 and then press 1.



2.

To ensure safe drinking water, you can also get a free filter. Please visit **mi.gov/FlintWater** to find where you can get a free filter.

3.

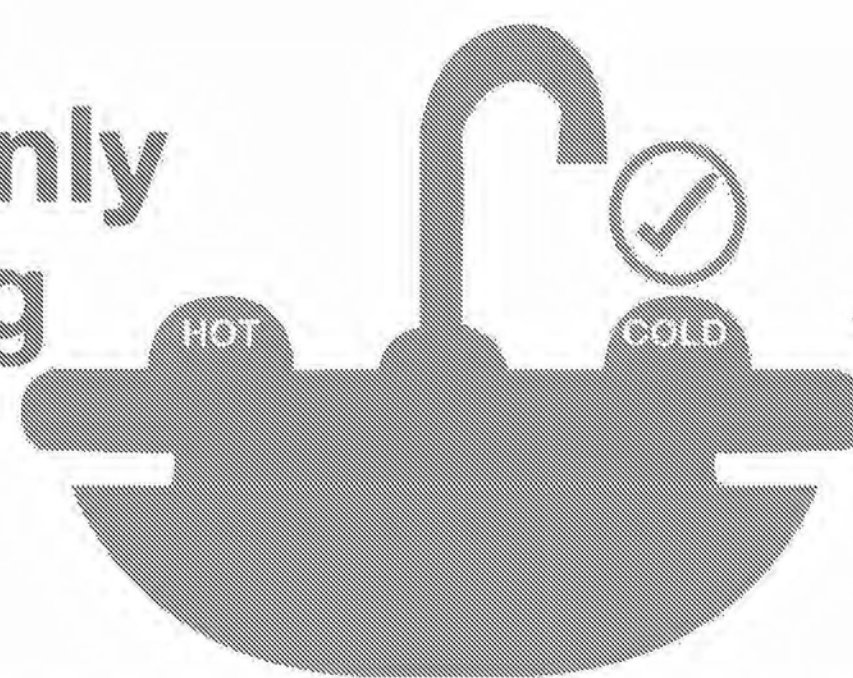
It takes time for lead to accumulate in drinking water from plumbing, and so **flushing your pipes prior to using them** can minimize your exposure.

- To flush your pipes, run the water until it's as cold as it will go. This can take as little as 5 to 30 seconds if you have recently flushed the toilet or otherwise used water in your home, or as long as 2 to 5 minutes if you have not used any water in hours.

- In the city of Flint, **running the water for 5 minutes costs between 3 and 16 cents**.

4.

Additionally, more lead gets into hot water than cold water. **Use only cold water for drinking, cooking and making baby formula.**



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Visit **www.mi.gov/FlintWater** for more information

From: Krisztian, George (DEQ)
Sent: Friday, October 02, 2015 8:47 AM
To: Wagner, Robert (DEQ); Leeming, Susan (DEQ)
Subject: Update and request for assistance
Attachments: NR 151002 - Flint water action plan.docx; Infographic - Flint Water Action Plan 10-2-15.pdf; Infographic - Flint water tips 10-2-15.pdf

Hi Bob and Sue,

The Director has requested that I attend a press conference in Flint this afternoon. The press conference is to unveil the State's plan to assist the city of Flint with respect to lead in the drinking water. I have attached some documents that will be made available but are **NOT** authorized for distribution yet.

We are putting together a number of contingency plans at the Lab to accommodate a potentially dramatic increase in sample load. I foresee the clerical aspect as being a potential bottleneck. Depending on the response to the offer for free lead testing we may need clerical assistance at the Lab to assist with data coding (which is the entry of the demographic information into the LIMS) and potentially proofing (which is a 100% review of data coding to check for typos).

Would it be possible to get some clerical assistance from staff downtown in the event that the Lab is overwhelmed? The best option would be to have clerical staff from downtown come to the Lab to assist but the potential also exists to have staff enter data remotely by sending data sheets back and forth. The second option is more dangerous as it increases the potential for paperwork to get lost and these will be ultra-high profile samples.

Thank you
George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812



STATE OF MICHIGAN
EXECUTIVE OFFICE
LANSING

RICK SNYDER
GOVERNOR

BRIAN CALLEY
LT. GOVERNOR

CONTACTS:

Sara Wurfel or Dave Murray
Governor's Office: 517-335-6397

Brad Wurfel, 517-284-6713
or Karen Tommasulo, 517-284-6714
Department of Environmental Quality

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FOR IMMEDIATE RELEASE

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"We are focused on helping ensure safe, clean, accessible drinking water and addressing and mitigating concerns and protecting public health," Snyder said. "Today's action plan builds upon ongoing work with local, state and federal agencies and our partnership with city and community leaders. Together, we are working to ensure that all Flint residents have accurate information and know that help is available to address potential problems."

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■ **Expanding a Safe Drinking Water Technical Advisory Committee** to ensure the best technology, practices and science are being followed by adding an expert from the Environmental Protection Agency's Office of Research and Development to the group.

■ **Naming Dr. Eden Wells**, chief medical executive for the Michigan Department of Health and Human Services, as the **Flint drinking water public health adviser.**

■ **Boosting a comprehensive lead education program** to make sure residents have detailed information about how to protect themselves and their homes.

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6637 and then press 1.
You can also email flintwater@cityofflint.com

Visit www.mi.gov/FlintWater for more information

From: Krisztian, George (DEQ)
Sent: Friday, October 02, 2015 9:17 AM
To: Pallone, Maggie (DEQ)
Subject: RE: Media conference call re: Flint water action plan

Hi Maggie,

I think that the action plan as created is as comprehensive as possible at this point. I cannot think of additional things to add other than reaching out to everyone involved (including the Health Department) which is essentially the crux of the plan as is.

George

George L. Krisztian
 Laboratory Director
 Michigan Department of Environmental Quality
 (517) 335-8812

From: Pallone, Maggie (DEQ)
Sent: Friday, October 02, 2015 6:13 AM
To: Wurfel, Brad (DEQ); Wyant, Dan (DEQ); Busch, Stephen (DEQ); Benzie, Richard (DEQ); Krisztian, George (DEQ); Sygo, Jim (DEQ)
Subject: Fwd: Media conference call re: Flint water action plan

In light of the possible topics Director will need a clear understanding of what the Genesee county health emergency declaration means? Is there ANY role the DEQ may have?

Thanks
 Maggie

Begin forwarded message:

From: "Wurfel, Sara (GOV)" <Wurfels@michigan.gov>
Date: October 2, 2015 at 12:04:34 AM EDT
To: "Wyant, Dan (DEQ)" <WyantD@michigan.gov>, "Wurfel, Brad (DEQ)" <WurfelB@michigan.gov>, "Tommasulo, Karen (DEQ)" <TommasuloK@michigan.gov>, "Pallone, Maggie (DEQ)" <PalloneM@michigan.gov>, "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>, "Lasher, GERALYN (DHHS)" <lasherG@michigan.gov>, "Minicuci, Angela (DHHS)" <MinicuciA@michigan.gov>, "Eisner, Jennifer (DHHS)" <EisnerJ@michigan.gov>, "Hertel, Elizabeth (DHHS)" <HertelE@michigan.gov>
Cc: "Murray, David (GOV)" <MurrayD1@michigan.gov>, "Kennedy, Jordan (GOV)" <KennedyJ4@michigan.gov>, "Brown, Jessica (GOV)" <BrownJ53@michigan.gov>, "Thelen, Mary Beth (DEQ)" <THELENM2@michigan.gov>
Subject: Media conference call re: Flint water action plan

Hi all –

Per conversations today, here are the details for Friday's embargoed media conference call.

Given some of the changing information, we added in a quick pre-brief with the Governor from 11 to 11:10 a.m. to give us a chance to go over any last details and finalize flow. This will be followed by the actual media conf. call from 11:15 to 11:40 a.m. Know that folks will be needing to head to Flint immediately afterward.

Sounds like we'll have Dan, Nick and Dr. Wells in person. That's great and will work best when most everyone is in the same room. The location is Romney Building, 1st floor communications conference room. The governor will be joining us from phone.

We'll need to be fairly quick in overview and framing comments so we can get to as many Qs as possible.

Please let me know if anyone has any Qs, concerns or needs anything else at all. Or if you'd like a listen only line for anyone back in the depts. to catch the call.

Otherwise, see you in the Romney by 11 a.m. tomorrow.

Thanks so much!
SW

p.s. Also attached key documents as stand right now – release, 2 infographics and the high level points.

Agenda:

11:15-11:16 AM	SW intro; sets parameters; introduces other participants; turns over to Governor for opening remarks
11:16-11:20 AM	Governor gives opening remarks; highlights reason for state action; introduces Director Wyant
11:20-11:24 AM	Director Wyant remarks; highlights key steps in the action plan; introduces Director Lyon
11:24-11:27 AM	Director Lyon remarks; highlights key health components of the plan and mentions Dr. Wells; turns back to Governor
11:27-11:37 AM	Governor opens it up for Q&A
11:37-11:39 AM	Governor closing remarks
11:39-11:40 AM	SW wraps up call; reminds reporters of embargo, 1:30 p.m. press conference, and how to get a hold of everyone

Possible Topics:

Flint water action plan
Lead in Flint water
Handling of Flint water issue
Genesee Co. health emergency action
ACLU action
Hurley data
Reconnecting Flint to Detroit water

Media invited:

Flint area media (print, TV and radio) – Flint Journal/Ron Fonger; WJRT TV 12, WNEM TV 5, WEYI TV 25, WFNT Radio
Associated Press – Ed White
Detroit News – Jim Lynch
Detroit Free Press – Nancy Kaffer, Kristi Tanner & Kathy Gray
Michigan Radio – Steve Carmody

From: Krisztian, George (DEQ)
Sent: Friday, October 02, 2015 10:24 AM
To: Leeming, Susan (DEQ); Wagner, Robert (DEQ)
Subject: RE: Update and request for assistance

Great! Right now everything is up in the air and subject to change. I'm simply putting contingency plans in place so that I don't say something at the press conference that I can't deliver on. I'm hoping that I don't even get tapped to answer a question but I have to prepare for that possibility.

Kirby and Julie are meeting with key lab staff today to put together a plan of action that will allow us to process 400 samples a day 7 days a week. To put that in perspective we ran just north of 4000 lead and copper samples during all of FY2015.

Thank you!
 George

George L. Krisztian
 Laboratory Director
 Michigan Department of Environmental Quality
 (517) 335-8812

From: Leeming, Susan (DEQ)
Sent: Friday, October 02, 2015 10:01 AM
To: Krisztian, George (DEQ); Wagner, Robert (DEQ)
Subject: RE: Update and request for assistance

George, Bob and I talked and we understand and agree that you may need some additional support staff to help cover the Flint issue. We'd like to wait to see exactly what the work might be before we pick someone, but be assured we'll figure out the best way to provide that assistance.

Sue Leeming, Assistant Chief
 Remediation and Redevelopment Division
 Department of Environmental Quality

PPI (cell)
 517-284-5091 (desk)

From: Krisztian, George (DEQ)
Sent: Friday, October 2, 2015 8:47 AM
To: Wagner, Robert (DEQ) <WAGNERR1@michigan.gov>; Leeming, Susan (DEQ) <LeemingS@michigan.gov>
Subject: Update and request for assistance

Hi Bob and Sue,

The Director has requested that I attend a press conference in Flint this afternoon. The press conference is to unveil the State's plan to assist the city of Flint with respect to lead in the drinking water. I have attached some documents that will be made available but are **NOT** authorized for distribution yet.

We are putting together a number of contingency plans at the Lab to accommodate a potentially dramatic increase in sample load. I foresee the clerical aspect as being a potential bottleneck. Depending on the response to the offer for free lead testing we may need clerical assistance at the Lab to assist with data coding (which is the entry of the demographic information into the LIMS) and potentially proofing (which is a 100% review of data coding to check for typos).

Would it be possible to get some clerical assistance from staff downtown in the event that the Lab is overwhelmed? The best option would be to have clerical staff from downtown come to the Lab to assist but the potential also exists to have staff enter data remotely by sending data sheets back and forth. The second option is more dangerous as it increases the potential for paperwork to get lost and these will be ultra-high profile samples.

Thank you
George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Krisztian, George (DEQ)
Sent: Friday, October 02, 2015 10:25 AM
To: Wagner, Robert (DEQ); Leeming, Susan (DEQ)
Subject: FW: Lead samples from Flint schools

Importance: High

It looks like our initial samples for the Flint Schools are all coming in today. All staff are on high alert.

George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Pieper, Julia (DEQ)
Sent: Friday, October 02, 2015 10:23 AM
To: Daniels, Carla (DEQ); Shane, Kirby (DEQ); Faust, Tabitha (DEQ); Price, Chris (DEQ); Arduin, Megan (DEQ); Brewster, Simone (DEQ); Crawford, Paula (DEQ); Edmonds, Matthew (DEQ); Ferris, Mark (DEQ); Hayes, Tandem (DEQ); Jackson, Karl (DEQ); O'Boyle, Isreal (DEQ); Pieper, Julia (DEQ); Williams, Trey (DEQ)
Cc: Smith, Carol (DEQ); Krisztian, George (DEQ)
Subject: Lead samples from Flint schools
Importance: High

The most recent information I have from Michael Prysby is that he expects to deliver all 50 samples early this afternoon.

Julia Pieper
Drinking Water Coordinator
Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

From: Krisztian, George (DEQ)
Sent: Monday, October 05, 2015 1:32 PM
To: Hanley, Farah (DHHS)
Cc: Thelen, Mary Beth (DEQ)
Subject: Re: Pitcher Filters

Hi Farah,

I just hopped on the internet and based on their website they appear to be NSF certified for lead removal. The browser on my I-pad isn't the best and I had a hard time getting the details I wanted, so you may want to check out their website to verify that.

George

Sent from my iPad

> On Oct 5, 2015, at 1:22 PM, Hanley, Farah (DHHS) <hanleyf@michigan.gov> wrote:

>

> DO you know if Zero Water pitchers qualify?

>

> https://www.google.com/?gws_rd=ssl#q=Zero+Water

>

>

> -----Original Message-----

> From: Krisztian, George (DEQ)

> Sent: Monday, October 05, 2015 1:16 PM

> To: Hanley, Farah (DHHS)

> Cc: Thelen, Mary Beth (DEQ)

> Subject: Pitcher Filters

>

> Hi Farah,

>

> Per our phone conversation earlier here is my suggestion concerning pitcher filters for homes that have atypical faucets that cannot easily accommodate a faucet mounted filtration device.

>

> The most critical thing is that the filter has been independently tested by a third party laboratory such as NSF International (National Sanitation Foundation). If I remember correctly the pertinent testing protocol is ANSI Standard 53.

>

> It is also critical that the filter specifically state that it is rated for lead removal as there are many potential contaminants for which point of use filtration devices can be certified. The information on the box should contain a statement that it has undergone independent testing by Standard 53 and that the filter is rated for lead removal and for how many gallons the filter is rated to maintain its efficacy.

>

> Please let me know if you need any additional information.

>

> George Krisztian

>

> Sent from my iPad

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Sent: Monday, October 05, 2015 1:33 PM
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Subject: Re: Pitcher Filters

one more follow up

the website is zerowater.com

George

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>

> Please let me know if you need any additional information.

>

> George Krisztian

>

> Sent from my iPad

From: Krisztian, George (DEQ)
Sent: Tuesday, October 06, 2015 1:31 PM
To: Browne, Elizabeth (DEQ)
Subject: RE: Temporary Assignment

Thank you Liz, I really appreciate the support!

George

From: Browne, Elizabeth (DEQ)
Sent: Tuesday, October 06, 2015 1:08 PM
To: Krisztian, George (DEQ)
Subject: FW: Temporary Assignment

George – good luck with this assignment. It is a hot button issue and Flint is lucky to have someone of your caliber helping them through it. Liz.

From: Thelen, Mary Beth (DEQ)
Sent: Tuesday, October 06, 2015 7:31 AM
To: DEQ-EXE-All
Subject: FW: Temporary Assignment
Importance: High

FYI.

From: Krisztian, George (DEQ)
Sent: Tuesday, October 06, 2015 7:12 AM
To: DEQ-RRD-Lab-Services
Cc: Wagner, Robert (DEQ); Leeming, Susan (DEQ); Sackrider, Sarah (DEQ); Winters, Bobbie Jo (DEQ); Thelen, Mary Beth (DEQ)
Subject: Temporary Assignment
Importance: High

Dear Staff,

The last week has been exceptionally busy and I wanted to bring you up to date. As you are aware the City of Flint has been in the news concerning potential issues with their drinking water. In order to address these issues the DEQ is taking a number of steps to address stakeholder concerns.

Director Wyant has asked that I take on a special temporary assignment to assist the DEQ in working with our various partners to resolve this matter. Please note that although this assignment may take a significant amount of time, it is a temporary reassignment and I will be back at the Laboratory once it is complete.

During my absence Carol Smith and Kirby Shane will be alternating as the acting Laboratory Director. They will each serve alternating 3 month shifts until such time that I am able to rejoin the Lab. Carol Smith will be taking the first shift as acting Laboratory Director. I ask that you please

continue to provide the same level of excellence to them as you have been so kind in providing to me.

I will maintain my office at the Lab and I will be stopping in as time permits. I have also indicated that I am happy to come by evenings and weekends should the need arise.

Thank you so much for your support!
George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Krisztian, George (DEQ)
Sent: Tuesday, October 06, 2015 5:00 PM
To: Dayne Walling
Subject: RE: Filter Distribution Update

Thank you Mayor.

George

From: Dayne Walling [mailto:dwalling@cityofflint.com]
Sent: Tuesday, October 06, 2015 3:57 PM
To: Krisztian, George (DEQ)
Subject: Fwd: Filter Distribution Update

George, I am going to forward you documents that I receive to keep you updated.

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

From: Brickey, Tamara <tbrickey@gchd.us>
Date: Tue, Oct 6, 2015 at 3:48 PM
Subject: Filter Distribution Update
To: Kirk Smith <ksmith@flint.org>, Jamie Gaskin <jgaskin@unitedwaygenesee.org>, Howard Croft <hcroft@cityofflint.com>, Lreynolds <lrey52@gmail.com>, Dayne Walling <dwalling@cityofflint.com>, Lawrence Reynolds <reynolds@mottchc.org>, Andy Leavitt <aleavitt@senatedems.org>, "Hovey, Amy" <Amy.Hovey@mail.house.gov>, "Valacak, Mark" <MVALACAK@gchd.us>, tony.lasher@redcross.org, Mona Hanna-Attisha <MHanna1@hurleymc.com>, plevine@gcins.org, Melany Gavulic <MGavulic1@hurleymc.com>, neeleyrep34@gmail.com, Natasha Henderson <nhenderson@cityofflint.com>, banerjeea@mottchc.org, "Boyer, Jenifier" <JBoyer@co.genesee.mi.us>, "Swartout, April" <ASWARTOUT@gchd.us>

Hi all,

Please see the attached for the update as of today.

Thanks,

Tamara Brickey, MS, CHES

Public Health Division Director
 Genesee County Health Department
 630 S. Saginaw Street
 Suite 4

Flint, MI 48502

(810) 257-3202 Fax: (810) 257-3147

tbrickey@gchd.us

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From: Brickey, Tamara

Sent: Thursday, October 01, 2015 6:39 PM

To: 'Kirk Smith'; Jamie Gaskin; Howard Croft; Lreynolds; Dayne Walling; Lawrence Reynolds; Andy Leavitt; Hovey, Amy; Valacak, Mark; tony.lasher@redcross.org; Mona Hanna-Attisha; plevine@gcms.org; Melany Gavulic; neeleyp34@gmail.com; Natasha Henderson; banerjeea@mottchc.org

Subject: Filter Distribution Update

Hi all,

I would like to provide an update on how today has unfolded and where plans currently stand.

- The University of Michigan-Flint has agreed to be our point of dispensing. They are graciously giving us space and helping us obtain volunteers, as well as helping us with logistical set up, and security/police.
- United Way is having approximately 4,000 water filters delivered via the Home Depot to the University of Michigan-Flint Recreation Center. Hilda McShane (GCHD) is helping to facilitate this with Jamie and the U of M-Flint staff.
- GCHD staff met with U of M-Flint Recreation Center staff today for a walk through. I will be working on a set up map tonight, and providing U of M-Flint with details for our volunteers.
- U of M-Flint has also asked for recommendations on water filters for their campus. We will be sending them the same list shared with the United Way.

- Following the recommendations of this group, GCHD has produced a list of priority groups to receive filters. Please see attached.
- We are still awaiting data from MDHHS to do GIS mapping for our WIC clients.
- GCHD will utilize a list of known WIC clients within the target areas and the city of Flint, and do call outs tomorrow to clients to inform them of the water filters that will be available. We had hoped to reach the clients in the recognized target area first, however, due to media coverage we do not anticipate that it will be possible to limit to that specific area of Flint. We will be limiting to those listed as priority 1-4 on the attached sheet.
- With the urging of U of M-Flint, due to security concerns, filter distribution will begin on **Saturday, October 3 at 10am**. Volunteers and staff will be reporting at 8am.
- 3pm today, Genesee County announced via press conference that there is an official public health emergency declaration.
- If any filters remain after distribution, they will be stored with Mott Children's Health or at GCHD depending on volume.
- If further filters are obtained, assistance from the Red Cross will be necessary.
- 10:30am a press conference announcing the filter distribution and demonstration on how to use them will occur at the University of Michigan-Flint Happenings Room.

That I believe is the run down for today. Thank you to everyone who has provided input and feedback as needed. We are continuing to work with U of M-Flint and all of the partners on logistical needs, and will give further updates as they are available.

Thanks,

Tamara Brickey, MS, CHES

Public Health Division Director
 Genesee County Health Department
 630 S. Saginaw Street
 Suite 4
 Flint, MI 48502
 (810) 257-3202 Fax: (810) 257-3147
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From: Kirk Smith [<mailto:ksmith@flint.org>]

Sent: Thursday, October 01, 2015 1:08 PM

To: Brickey, Tamara

Cc: Jamie Gaskin; Howard Croft; Lreynolds; Dayne Walling; Lawrence Reynolds; Andy Leavitt; Hovey, Amy; Valacak, Mark; tony.lasher@redcross.org; Mona Hanna-Attisha; plevine@gcms.org; Melany Gavulic; neeleyrep34@gmail.com; Natasha Henderson; banerieea@mottchc.org

Subject: FW: Filter Distribution Planning Brief

Hi Tamara,

I was just speaking with Jamie Gaskin on a few updates. He shared that there was a Health Department meeting you were holding at 2:00 p.m. today (he thought) regarding the developing filter distribution strategy.

Based on what he shared (below) of who he was aware was invited (we were not, and that's fine), I want to confirm you have the relevant data to inform your strategy, e.g. data from Dr. Mona and her research team (GIS mapping), Howard Croft (lead service line detail), Andy Leavitt in Senator Ananich's office, etc. to inform the strategic distribution process. Given the limited number of filters compared to the number of homes in the city, we've had strong consensus that initial resources go to the families and community sites most in need. There is a great deal of information out there to inform the process.

Can you provide an update for those of us who have been removed from the loop yet are still fielding lots of questions and working to secure additional resources for households in the city?

Thank you for your efforts on this important matter.

Kirk Smith, MHSA

President & CEO

Greater Flint Health Coalition

(810) 232-2228

ksmith@flint.org

-----Original Appointment-----

From: Brickey, Tamara [<mailto:tbrickey@gchd.us>]

Sent: Thursday, October 01, 2015 9:11 AM

To: Brickey, Tamara; Valacak, Mark; Swartout, April; Swain, Ann R.; McShane, Hilda; jboyer@co.genesee.mi.us; Jamie Gaskin; Henry, James

Subject: Filter Distribution Planning Brief

When: Thursday, October 01, 2015 7:30 PM-9:00 PM America/New_York.

Where: GCHD Burton Health Clinic G-3373 S. Saginaw St, Burton, Michigan 48529

Hi all,

At this meeting GCHD will give information on locations for water filters to be distributed, a draft time line, what our staff are already doing, and needs from partners. I hope you can join us.

Thanks,

Tamara Brickey

--
Dayne Walling
Mayor, City of Flint
City Hall, 1101 S. Saginaw St.
Flint, MI 48502
810-766-7346

mayor@cityofflint.com

www.cityofflint.com

follow me on twitter at <http://twitter.com/mayorwalling>

From: Krisztian, George (DEQ)
Sent: Tuesday, October 06, 2015 5:17 PM
To: Sygo, Jim (DEQ)
Subject: RE: Filter Distribution Update

Will do.

From: Sygo, Jim (DEQ)
Sent: Tuesday, October 06, 2015 5:13 PM
To: Krisztian, George (DEQ)
Subject: RE: Filter Distribution Update

You might want to pass these along so the team knows how filters are being distributed.

From: Krisztian, George (DEQ)
Sent: Tuesday, October 06, 2015 5:04 PM
To: Wyant, Dan (DEQ); Sygo, Jim (DEQ)
Subject: FW: Filter Distribution Update

Jim and Dan,

For documents like the attached (please see the thread for additional information) do I share these with the regular group or should I pass them through the two of you first?

Thank you
George

From: Dayne Walling [mailto:dwalling@cityofflint.com]
Sent: Tuesday, October 06, 2015 3:57 PM
To: Krisztian, George (DEQ)
Subject: Fwd: Filter Distribution Update

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Hi all,

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Tamara Brickey, MS, CHES

Public Health Division Director
Genesee County Health Department
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Tamara Brickey, MS, CHES

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 (810) 257-3202 Fax: (810) 257-3147
tbrickey@gchd.us

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From: Kirk Smith [<mailto:ksmith@flint.org>]
Sent: Thursday, October 01, 2015 1:08 PM
To: Brickey, Tamara
Cc: Jamie Gaskin; Howard Croft; Lreynolds; Dayne Walling; Lawrence Reynolds; Andy Leavitt; Hovey, Amy; Valacak, Mark; tony.lasher@redcross.org; Mona Hanna-Attisha; plevine@gcms.org; Melany Gavulic; neeleyrep34@gmail.com; Natasha Henderson; banerjeea@mottchc.org
Subject: FW: Filter Distribution Planning Brief

Hi Tamara,

I was just speaking with Jamie Gaskin on a few updates. He shared that there was a Health Department meeting you were holding at 2:00 p.m. today (he thought) regarding the developing filter distribution strategy.

Based on what he shared (below) of who he was aware was invited (we were not, and that's fine), I want to confirm you have the relevant data to inform your strategy, e.g. data from Dr. Mona and her research team (GIS mapping), Howard Croft (lead service line detail), Andy Leavitt in Senator Ananich's office, etc. to inform the strategic distribution process. Given the limited number of filters compared to the number of homes in the city, we've had strong consensus that initial resources go to the families and community sites most in need. There is a great deal of information out there to inform the process.

Can you provide an update for those of us who have been removed from the loop yet are still fielding lots of questions and working to secure additional resources for households in the city?

Thank you for your efforts on this important matter.

Kirk Smith, MHSA

President & CEO

Greater Flint Health Coalition

(810) 232-2228

ksmith@flint.org

-----Original Appointment-----

From: Brickey, Tamara [<mailto:tbrickey@gchd.us>]

Sent: Thursday, October 01, 2015 9:11 AM

To: Brickey, Tamara; Valacak, Mark; Swartout, April; Swain, Ann R.; McShane, Hilda; jBoyer@co.geneseee.mi.us; Jamie Gaskin; Henry, James

Subject: Filter Distribution Planning Brief

When: Thursday, October 01, 2015 7:30 PM-9:00 PM America/New_York.

Where: GCHD Burton Health Clinic G-3373 S. Saginaw St, Burton, Michigan 48529

Hi all,

At this meeting GCHD will give information on locations for water filters to be distributed, a draft time line, what our staff are already doing, and needs from partners. I hope you can join us.

Thanks,

Tamara Brickey

--

Dayne Walling
Mayor, City of Flint

City Hall, 1101 S. Saginaw St.

Flint, MI 48502

810-766-7346

mayor@cityofflint.com

www.cityofflint.com

follow me on twitter at <http://twitter.com/mayorwalling>

From: Krisztian, George (DEQ)
Sent: Wednesday, October 07, 2015 7:47 AM
To: Sygo, Jim (DEQ)
Subject: FW: Flint Water Filter Distribution

FYI

From: Wyant, Dan (DEQ)
Sent: Wednesday, October 07, 2015 7:46 AM
To: Krisztian, George (DEQ)
Subject: Fwd: Flint Water Filter Distribution

Sent from my iPhone

Begin forwarded message:

From: "Lyon, Nick (DHHS)" <LyonN2@michigan.gov>
Date: October 6, 2015 at 9:22:46 PM EDT
To: "Snyder, Rick (GOV)" <[REDACTED]@michigan.gov> "Muchmore, Dennis (GOV)" <muchmored@michigan.gov>, "Clement, Elizabeth (GOV)" <clemente@michigan.gov>, "Scott, Allison (GOV)" <scottal2@michigan.gov>, "Hollins, Harvey (GOV)" <hollinsh@michigan.gov>, "Wyant, Dan (DEQ)" <WyantD@michigan.gov>, "Baird, Richard (GOV)" <bairdr@michigan.gov>, "Agen, Jarrod (GOV)" <AgenJ@michigan.gov>, "Roberts, John (DTMB)" <RobertsJ9@michigan.gov>
Cc: "Becker, Timothy (DHHS)" <beckert1@michigan.gov>, "Lasher, GERALYN (DHHS)" <lasherg@michigan.gov>, "Hertel, Elizabeth (DHHS)" <HertelE@michigan.gov>, "Grijalva, Nancy (DHHS)" <GrijalvaN@michigan.gov>
Subject: Flint Water Filter Distribution

The process of distributing water filters began on site today in Flint from the supply purchased by MDHHS.

909 were distributed at MDHHS offices.

1,869 were distributed at the local Community Action Agency locations.

1,624 were distributed to the Flint Housing Commission for installation at low income housing.

186 to early head start, Mott Park Neighborhood Association and Commissioners.

A total of 4,588 were distributed today.

It was a good first day and shows our commitment to action.

We will continue to provide updates on filters through Dan.

Nick

From: Krisztian, George (DEQ)
Sent: Wednesday, October 07, 2015 9:28 AM
To: Sygo, Jim (DEQ)
Subject: FW: Filter Distribution Update
Attachments: Screenshot_2015-10-06-15-08-37.png

Please see the attached. I need a little time to review the entire thread and then I will come and see you.

George

From: Dayne Walling [mailto:dwalling@cityofflint.com]
Sent: Wednesday, October 07, 2015 8:32 AM
To: Krisztian, George (DEQ); Natasha Henderson; Howard Croft
Subject: Fwd: Filter Distribution Update

Please see the screenshot from Amy Hovey. Which filter distribution is this referring to? Who is distributing Brita filters that are not certified for lead? We made a clear statement on Saturday that the PUR faucet filters were NSF certified and on the list also recommended by Dr. Edwards. Please fill me in.

Thanks

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

From: Hovey, Amy <Amy.Hovey@mail.house.gov>
Date: Tue, Oct 6, 2015 at 5:14 PM
Subject: RE: Filter Distribution Update
To: "Brickey, Tamara" <tbrickey@gchd.us>, Kirk Smith <ksmith@flint.org>, Jamie Gaskin <jgaskin@unitedwaygeneseec.org>, Howard Croft <hcroft@cityofflint.com>, Lreynolds <lrey52@gmail.com>, Dayne Walling <dwalling@cityofflint.com>, Lawrence Reynolds <reynolds@mottchc.org>, Andy Leavitt <aleavitt@senatedems.org>, "Valacak, Mark" <MVALACAK@gchd.us>, "tony.lasher@redcross.org" <tony.lasher@redcross.org>, Mona Hanna-Attisha <MHanna1@hurleymc.com>, "plevine@gcms.org" <plevine@gcms.org>, Melany Gavulic <MGavulic1@hurleymc.com>, "neeleyrep34@gmail.com" <neeleyrep34@gmail.com>, Natasha Henderson <nhenderson@cityofflint.com>, "banerjeea@mottchc.org" <banerjeea@mottchc.org>, "Boyer, Jenifer" <JBoyer@co.geneseec.mi.us>, "Swartout, April" <ASWARTOUT@gchd.us>

Does anyone have an update on the filters that are being passed out that do not filter out lead? We have received several calls on this issue today. I have attached on unhappy customer's comments.

Any update would be helpful.

Amy Hovey

District Chief of Staff

Congressman Dan Kildee (MI-05)

111 East Court Street, #38.

Flint, MI 48502

Phone: 810-238-8627

www.dankildee.house.gov



<http://dankildee.house.gov/newsletter-subscription/>

****WE MOVED!* Please note that our OFFICES HAVE RELOCATED***

From: Brickey, Tamara [mailto:tbrickey@gchd.us]

Sent: Tuesday, October 06, 2015 3:48 PM

To: Kirk Smith; Jamie Gaskin; Howard Croft; Lreynolds; Dayne Walling; Lawrence Reynolds; Andy Leavitt; Hovey, Amy; Valacak, Mark; tony.lasher@redcross.org; Mona Hanna-Attisha; plevine@gcms.org; Melany Gavulic; neeleyrep34@gmail.com; Natasha Henderson; banerjeea@mottchc.org; Boyer, Jenifier; Swartout, April

Subject: Filter Distribution Update

Hi all,

Please see the attached for the update as of today.

Thanks,

Tamara Brickey, MS, CHES

Public Health Division Director
 Genesee County Health Department
 630 S. Saginaw Street
 Suite 4
 Flint, MI 48502
 (810) 257-3202 Fax: (810) 257-3147
tbrickey@gchd.us

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From: Brickey, Tamara
Sent: Thursday, October 01, 2015 6:39 PM
To: 'Kirk Smith'; Jamie Gaskin; Howard Croft; Lreynolds; Dayne Walling; Lawrence Reynolds; Andy Leavitt; Hovey, Amy; Valacak, Mark; tony.lasher@redcross.org; Mona Hanna-Attisha; plevine@gcms.org; Melany Gavulic; neeleyp34@gmail.com; Natasha Henderson; banerjeea@mottchc.org
Subject: Filter Distribution Update

Hi all,

I would like to provide an update on how today has unfolded and where plans currently stand.

- The University of Michigan-Flint has agreed to be our point of dispensing. They are graciously giving us space and helping us obtain volunteers, as well as helping us with logistical set up, and security/police.
- United Way is having approximately 4,000 water filters delivered via the Home Depot to the University of Michigan-Flint Recreation Center. Hilda McShane (GCHD) is helping to facilitate this with Jamie and the U of M-Flint staff.
- GCHD staff met with U of M-Flint Recreation Center staff today for a walk through. I will be working on a set up map tonight, and providing U of M-Flint with details for our volunteers.

- U of M-Flint has also asked for recommendations on water filters for their campus. We will be sending them the same list shared with the United Way.
- Following the recommendations of this group, GCHD has produced a list of priority groups to receive filters. Please see attached.
- We are still awaiting data from MDHHS to do GIS mapping for our WIC clients.
- GCHD will utilize a list of known WIC clients within the target areas and the city of Flint, and do call outs tomorrow to clients to inform them of the water filters that will be available. We had hoped to reach the clients in the recognized target area first, however, due to media coverage we do not anticipate that it will be possible to limit to that specific area of Flint. We will be limiting to those listed as priority 1-4 on the attached sheet.
- With the urging of U of M-Flint, due to security concerns, filter distribution will begin on **Saturday, October 3 at 10am**. Volunteers and staff will be reporting at 8am.
- 3pm today, Genesee County announced via press conference that there is an official public health emergency declaration.
- If any filters remain after distribution, they will be stored with Mott Children's Health or at GCHD depending on volume.
- If further filters are obtained, assistance from the Red Cross will be necessary.
- 10:30am a press conference announcing the filter distribution and demonstration on how to use them will occur at the University of Michigan-Flint Happenings Room.

That I believe is the run down for today. Thank you to everyone who has provided input and feedback as needed. We are continuing to work with U of M-Flint and all of the partners on logistical needs, and will give further updates as they are available.

Thanks,

Tamara Brickey, MS, CHES

Public Health Division Director
 Genesee County Health Department
 630 S. Saginaw Street
 Suite 4
 Flint, MI 48502
 (810) 257-3202 Fax: (810) 257-3147
tbrickey@gchd.us

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From: Kirk Smith [<mailto:ksmith@flint.org>]
Sent: Thursday, October 01, 2015 1:08 PM
To: Brickey, Tamara
Cc: Jamie Gaskin; Howard Croft; Lreynolds; Dayne Walling; Lawrence Reynolds; Andy Leavitt; Hovey, Amy; Valacak, Mark; tony.lasher@redcross.org; Mona Hanna-Attisha; plevine@ccms.org; Melany Gavulic; neeleyrep34@gmail.com; Natasha Henderson; banerieea@mottchc.org
Subject: FW: Filter Distribution Planning Brief

Hi Tamara,

I was just speaking with Jamie Gaskin on a few updates. He shared that there was a Health Department meeting you were holding at 2:00 p.m. today (he thought) regarding the developing filter distribution strategy.

Based on what he shared (below) of who he was aware was invited (we were not, and that's fine), I want to confirm you have the relevant data to inform your strategy, e.g. data from Dr. Mona and her research team (GIS mapping), Howard Croft (lead service line detail), Andy Leavitt in Senator Ananich's office, etc. to inform the strategic distribution process. Given the limited number of filters compared to the number of homes in the city, we've had strong consensus that initial resources go to the families and community sites most in need. There is a great deal of information out there to inform the process.

Can you provide an update for those of us who have been removed from the loop yet are still fielding lots of questions and working to secure additional resources for households in the city?

Thank you for your efforts on this important matter.

Kirk Smith, MHSA

President & CEO

Greater Flint Health Coalition

(810) 232-2228

ksmith@flint.org

-----Original Appointment-----

From: Brickey, Tamara [<mailto:tbrickey@gchd.us>]

Sent: Thursday, October 01, 2015 9:11 AM

To: Brickey, Tamara; Valacak, Mark; Swartout, April; Swain, Ann R.; McShane, Hilda; jboyer@co.genesee.mi.us; Jamie Gaskin; Henry, James

Subject: Filter Distribution Planning Brief

When: Thursday, October 01, 2015 7:30 PM-9:00 PM America/New_York.

Where: GCHD Burton Health Clinic G-3373 S. Saginaw St, Burton, Michigan 48529

Hi all,

At this meeting GCHD will give information on locations for water filters to be distributed, a draft time line, what our staff are already doing, and needs from partners. I hope you can join us.

Thanks,

Tamara Brickey

--

Dayne Walling

Mayor, City of Flint

City Hall, 1101 S. Saginaw St.

Flint, MI 48502

810-766-7346

mayor@cityofflint.com

www.cityofflint.com

follow me on twitter at <http://twitter.com/mayorwalling>



19% 3:08 PM

< Comments



Water You Fighting For? shared

Lynsey Ridley's post.

36 mins · 🌐

We TOLD THEM Brita was not NSF CERTIFIED! WE TOLD THEM TO ANSWER ZEROWATER'S calls because they ARE NSF certified to remove lead!



Lynsey Ridley

3 hrs · 🌐

So this morning I went downtown flint and picked up the Brita water filter they are handing out to flint residents to remove lead out of our tap water. You know... To make it safe for us to drink/use. I brought it home and read the box carefully. Then decided to call Brita for myself and ask exactly how much lead is removed when using this filter. She then informed me that the Brita filter NO LONGER meets NSF's standards for removing Lead! DO NOT DRINK THE WATER thinking it's safe!! IT IS NOT SAFE! I just called Abc 12 to inform them. I am praying they can get this on the air NOW!!! All these people are taking it home thinking they can use their water now. I am furious with the city of Flint!! Shame on them!



Commenting as Water You Fighting For?



From: Krisztian, George (DEQ)
Sent: Friday, October 09, 2015 1:03 PM
To: Shekter Smith, Liane (DEQ)
Subject: FW: 26 Action Steps - FOIA Exempt and Attorney-Client Privileged
Attachments: 2015-10-08 26 Action Steps for Next Week (2).docx

Importance: High

Hi Liane,

When we get together today I would like us to go through the action steps document and assign leads. Please include appropriate staff from your Office attend.

Are you available at 2 PM?

Thank you!
George

From: Thelen, Mary Beth (DEQ)
Sent: Friday, October 09, 2015 10:33 AM
To: Krisztian, George (DEQ)
Subject: 26 Action Steps - FOIA Exempt and Attorney-Client Privileged
Importance: High

George, per your request to assign a lead.

Thanks.

MBT

26 Action Steps for Next Week

1. Identify schools and prioritize for assessment
2. Get DLARA plumbers organized
3. Complete sampling instructions
4. MDARD info for restaurants
5. Update 2004 letter to EPA
6. Approve Flint plan for water line
7. Lead education plan for schools for Drinking Water
8. Begin regular meetings with Flint
9. Schedule WTP tour
10. Meet with schools and DLARA-invitation only
11. Update Web page
12. Contact DHHS to see where they are with United Way
13. Circulate protocol draft with EPA
14. Contact City about homeowner sample delivery
15. Communicate to MDARD and City that business samples should be coordinated through lab
16. Figure out number of samples from schools and child care facilities
17. Confirm Lynda Dykema is POC for DHHS
18. Contact KWA to find out if there are any bottlenecks we need to remove
19. Expedite 399 Plan and Phosphate Plan
20. Get update on service line index card conversion and identify where partial replacements exist
21. Make sure DHHS gets info so they can cross reference
22. Legislative contacts
23. Legislative time line and summary
24. Dan reconnect with state superintendent
25. Conduct After Action Plan
26. Change Part 54-Drinking Water Revolving Loan Fund

From: Krisztian, George (DEQ)
Sent: Monday, October 12, 2015 7:40 AM
To: Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ)
Subject: FW: 3rd Quarter Water Report

Oops forgot to add you both, sorry.

George

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

From: Krisztian, George (DEQ)
Sent: Monday, October 12, 2015 7:39 AM
To: Sygo, Jim (DEQ); Wyant, Dan (DEQ); Wurfel, Brad (DEQ); Pallone, Maggie (DEQ); Tommasulo, Karen (DEQ); Shekter Smith, Liane (DEQ)
Subject: FW: 3rd Quarter Water Report

FYI

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

From: gdn2@aol.com [mailto:gdn2@aol.com]
Sent: Sunday, October 11, 2015 5:57 PM
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); Krisztian, George (DEQ); jhenry@gchd.us; jgaskin@unitedwaygenesee.org; jlorenz@cityofflint.com; jmikewright@yahoo.com; jherman@genesys.org; jfobrien@gcdcwvs.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; mjlane@umflint.edu; Prysby, Mike (DEQ); 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 (DEQ); jwgreen@lan-inc.com; Wurfel, Brad (DEQ); achubb@cityofflint.com; KEVIN.KEANE@cmsenergy.com
Subject: Re: 3rd Quarter Water Report

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@cityofflnt.com>; Amy Hovey <Amy.Hovey@mail.house.gov>; Brent Wright <bwright@cityofflnt.com>; Darren Lytle <lytle.darren@epa.gov>; Dayne Walling <dwalling@cityofflnt.com>; donna.cole <donna.cole@genesys.org>; dykemal <dykemal@mich.gov>; George Krisztian (DEQ) <krisztian@michigan.gov>; Gerald (Jed) Natzke <gdn2@aol.com>; James Henry <jhenry@gchd.us>; Jamie Gaskin <jgaskin@unitedwaygenesee.org>; Jason Lorenz <jlorenz@cityofflnt.com>; jmikewright <jmikewright@yahoo.com>; JoAnne Herman <jherman@genesys.org>; John O'Brien <jobrien@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@cityofflnt.com>; Michael Wright <Wright.Michael@epa.gov>; Mike Lane <mjlane@umflint.edu>; Mike Prysby (DEQ) <prysbym@michigan.gov>; Natasha Henderson <nhenderson@cityofflnt.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; Pete Levine <plevine@gcms.org>; Robert Bincsik <rbincsik@cityofflnt.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@cityofflnt.com>; Stephen Busch (DEQ) <BUSCHS@michigan.gov>; Warren Green <jwgreen@lan-inc.com>; Wurfel, Brad (DEQ) (DEQ) <WurfelB@michigan.gov>; Anthony Chubb <achubb@cityofflnt.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; dykemal; 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.

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

From: Krisztian, George (DEQ)
Sent: Monday, October 12, 2015 9:16 AM
To: Shekter Smith, Liane (DEQ)
Subject: RE: GOV Log Letter - FW: Action Item [Novitsky] - Constituent Case Referral

I agree, that approach would be best. It would be a good idea to give Howard Croft at the City of Flint a heads up and make sure he requests information about certification.

Thank you!
 George

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

From: Shekter Smith, Liane (DEQ)
Sent: Monday, October 12, 2015 8:33 AM
To: Krisztian, George (DEQ)
Subject: RE: GOV Log Letter - FW: Action Item [Novitsky] - Constituent Case Referral

George – I agree about the certification. However, it was my intention to refer them to the city as we normally would. DEQ is not in the habit of selecting vendors, equipment or remedies. That would be for the water supply to do. Any concerns with this approach?

Liane J. Shekter Smith, P.E., Chief
 Office of Drinking Water and Municipal Assistance
 Michigan Department of Environmental Quality
 517-284-6543

From: Krisztian, George (DEQ)
Sent: Monday, October 12, 2015 7:21 AM
To: Thelen, Mary Beth (DEQ); Shekter Smith, Liane (DEQ)
Cc: Devereaux, Tracy Jo (DEQ); Sygo, Jim (DEQ); Shaler, Karen (DEQ); Busch, Stephen (DEQ); Wurfel, Brad (DEQ); Pallone, Maggie (DEQ); Feuerstein, Heather (DEQ); Wyant, Dan (DEQ)
Subject: RE: GOV Log Letter - FW: Action Item [Novitsky] - Constituent Case Referral

Liane,

In following up with this individual the first thing that would need to be asked would be that they provide their NSF certification for their device. Their certification status would need to be established before any further consideration could be given.

George

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

From: Thelen, Mary Beth (DEQ)
Sent: Sunday, October 11, 2015 10:51 AM
To: Shekter Smith, Liane (DEQ)
Cc: Devereaux, Tracy Jo (DEQ); Sygo, Jim (DEQ); Shaler, Karen (DEQ); Krisztian, George (DEQ); Busch, Stephen (DEQ); Wurfel, Brad (DEQ); Pallone, Maggie (DEQ); Feuerstein, Heather (DEQ); Wyant, Dan (DEQ)
Subject: GOV Log Letter - FW: Action Item [Novitsky] - Constituent Case Referral

Hi Liane,

Please see the GOV inquiry below (scroll all the way to the bottom). I will have Rosemarie assign it a GOV number on Monday.

Please call, set up a meeting, or respond by email **as appropriate**. If you feel this needs attention from the Executive Division or a response from the Executive Division, please advise.

Thanks.

Mary Beth

From: Laura Stoken [<mailto:stokenl@michigan.gov>]
Sent: Friday, October 09, 2015 3:43 PM
To: Thelen, Mary Beth (DEQ)
Subject: Action Item [Novitsky] - Constituent Case Referral

Hello -

Governor Snyder's office has received a constituent inquiry from Joseph Novitsky .

To help us track the correspondence, we've assigned this inquiry the unique reference number of S290647.

I would appreciate a copy of correspondence exchanged with this constituent on Governor Snyder's behalf, but I understand you may be limited by law in what you can share. Please let me know if you are unable to follow up with this constituent or if you believe I have made a mistake in referring this to your attention.

As always, please do not hesitate to contact me with any questions or concerns. Thank you for your assistance.

Laura Stoken
 Office of the Governor
 O: 517-335-7858

CASE OPEN DATE: 10/9/2015 3:28 PM

NAME: Joseph Novitsky
ADDRESS: 1755 Royal Ave.

CITY/STATE/ZIP: Berkley, MI 48072

E-MAIL: Joe@JSN-AIA.com

TELEPHONE: (248) 433-2030

CONSTITUENT INQUIRY: Folks - I am an architect that invented a water purifier that is THE best in the world, patent pending and insured. We hope to help the folks in Flint and Saginaw. We can filter the lead and arsenic cheaper than anyone in the world. www.Merlinecosolutions.com.

We would like to set up an emergency station for "free" purified water and then also sales for a permanent application until the new public water supply is finished. Can you help?

Thanks, Joe

From: Krisztian, George (DEQ)
Sent: Monday, October 12, 2015 9:34 AM
To: Shekter Smith, Liane (DEQ)
Subject: Preliminary and Deliberative: No Subject to FOIA

Importance: High

Hi Liane,

I am prepping the Director for an interview today.

Can you please tell me:

What was done before the switch to the Flint River to determine its characteristics? i.e. what sort of testing was done on it?

I am looking at just facts, this question is not meant put you in a difficult position. Please feel free to call me

Thank you!
George

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

From: Krisztian, George (DEQ)
Sent: Monday, October 12, 2015 11:51 AM
To: Sygo, Jim (DEQ)
Subject: Preliminary and Deliberative: FW: Project Number for City of Flint Drinking Water

FYI

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

From: Lundy, Anastasia (DEQ)
Sent: Monday, October 12, 2015 11:06 AM
To: Pieper, Julia (DEQ); Smith, Carol (DEQ); Shane, Kirby (DEQ)
Cc: Joseph, Susan (DEQ); Austin, Dawn (DEQ); Krisztian, George (DEQ); Smith, Renee (DEQ); Leeming, Susan (DEQ)
Subject: RE: Project Number for City of Flint Drinking Water

For now, please charge the Flint water samples to Index 45500, PCA 30107, Project #900040-00

This Index & PCA will charge the Lab's Drinking Water fees fund for the samples, and the Proj# will track these charges with the rest of the DEQ costs. When the funding source for these is identified, we will move these costs over to that source. In the meantime, if you receive different directions re: coding, please let me know ASAP to keep us all on the same page.

Thanks everyone!!

Anastasia M. Lundy
 Administration, RRD-DEQ
 Phone: 517-284-5129 / Fax: 517-373-2637
 Email: LundyA1@michigan.gov

From: Joseph, Susan (DEQ)
Sent: Monday, October 12, 2015 10:22 AM
To: Lundy, Anastasia (DEQ)
Cc: Pieper, Julia (DEQ); Austin, Dawn (DEQ)
Subject: FW: Project Number for City of Flint Drinking Water

Anastasia --- Can you help with the clarification request on Flint coding? Thanks.

Susan Joseph
 Personnel Liaison
 Administration Section
 Remediation and Redevelopment Division
 Department of Environmental Quality
JosephS1@michigan.gov

517-284-5117

From: Pieper, Julia (DEQ)
Sent: Monday, October 12, 2015 9:31 AM
To: Joseph, Susan (DEQ)
Subject: RE: Project Number for City of Flint Drinking Water

Sue,
 I used this project for some of my time in the last pay period. We need some clarification on lab staff use of this code when they are working on these samples just as they would those from anywhere else. It seems this would be covered by the funds used to pay for the sample analysis. Would Anastasia be the one to contact to get clarification on this?

Julia Pieper
 Drinking Water Coordinator
 Organic Sub-Unit Manager
 DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
 (517)-335-8076 phone
 (517)-335-8562 fax

From: Joseph, Susan (DEQ)
Sent: Monday, October 12, 2015 9:19 AM
To: Pieper, Julia (DEQ)
Subject: FW: Project Number for City of Flint Drinking Water
Importance: High

FYI -- Project number for Flint. Let me know if you have any other questions. Thanks.

Susan Joseph
 Personnel Liaison
 Administration Section
 Remediation and Redevelopment Division
 Department of Environmental Quality
JosephS1@michigan.gov
 517-284-5117

From: Austin, Dawn (DEQ)
Sent: Monday, October 12, 2015 9:16 AM
To: Joseph, Susan (DEQ)
Subject: FW: Project Number for City of Flint Drinking Water
Importance: High

For all charges related to the City of Flint water issue they should use their own PCA and index with the project # listed below.

From: Lundy, Anastasia (DEQ)
Sent: Tuesday, October 06, 2015 4:00 PM
To: Jackson, Michael (DEQ); Lundy, Anastasia (DEQ); Marinangeli, Lois (DEQ); Renteria, Sylvia (DEQ); Tetzlaff, Katherine (DEQ)
Cc: Austin, Dawn (DEQ); Bradsher, Esther (DEQ); McDonald, Paul (DEQ)
Subject: Project Number for City of Flint Drinking Water
Importance: High

Hello all. If your division incurs expenditures related to the City of Flint drinking water situation, we have established a central project number to track as many of the costs as possible department-wide. This can be used for both payroll and non-payroll charges. *Exception: As usual, if you are using federal grants to fund the work/purchase, please use the appropriate grant project number instead of this central number.*

Project #: 900040-00, City of Flint Drinking Water

Thanks everyone!

*Anastasia M. Lundy, Administration Section Chief
Remediation & Redevelopment Division
Michigan Department of Environmental Quality
Phone: 517-284-5129 / Fax: 517-373-2637
Email: LundyA1@michigan.gov*

From: Krisztian, George (DEQ)
Sent: Tuesday, October 13, 2015 10:25 AM
To: Sygo, Jim (DEQ);Thelen, Mary Beth (DEQ);Shaler, Karen (DEQ);Pallone, Maggie (DEQ)
Subject: FW: 3rd Quarter Water Report

FYI

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

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; 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; 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
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

PPI 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 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 one 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.

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.

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

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: Krisztian, George (DEQ)
Sent: Tuesday, October 13, 2015 11:06 AM
To: Edgerton, Shelly (LARA); Dykema, Linda D. (DHHS)
Cc: Madziar, Joseph (LARA); Sygo, Jim (DEQ)
Subject: RE: Preliminary and Deliberative, Not Subject to FOIA - School Analysis Priority List Draft

Shelly,

I am still waiting on a conversation with the Flint schools superintendent, once that occurs we can move forward. I think it would make sense for LARA to contact the principals to work out the logistics once we've had the discussion with the superintendent.

I am certain that schools will be added to the list and we will make those names available as they come in. Since these requests will not necessarily be coming in all at once we may not be able to prioritize the additional schools as deliberately as we have with the original 13.

George

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

From: Edgerton, Shelly (LARA)
Sent: Tuesday, October 13, 2015 10:51 AM
To: Dykema, Linda D. (DHHS); Krisztian, George (DEQ)
Cc: Madziar, Joseph (LARA); Sygo, Jim (DEQ)
Subject: RE: Preliminary and Deliberative, Not Subject to FOIA - School Analysis Priority List Draft

George - We are fine with the list and will put together our teams to begin. Is LARA responsible for contacting the principals at the individual schools to discuss schedule? Also it appears there is a possible mix of schools - public/charter (Brownell Stem Academy) on this list. I assume someone is reaching out to the other charters to be on the next list??

Shelly Edgerton
 Chief Deputy Director & Chief Data Systems Officer
edgertonsj@michigan.gov
 Phone: 517 241-4805
 Cell: [REDACTED] PPI



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relationship, constitute an electronic signature or provide consent to contract electronically, unless expressly so stated by the sender in the body of this e-mail or an attachment

From: Dykema, Linda D. (DHHS)
Sent: Tuesday, October 13, 2015 10:41 AM
To: Krisztian, George (DEQ) <krisztian@michigan.gov>; Edgerton, Shelly (LARA) <EdgertonS1@michigan.gov>
Cc: Madziar, Joseph (LARA) <madziarj@michigan.gov>; Sygo, Jim (DEQ) <SygoJ@michigan.gov>
Subject: RE: Preliminary and Deliberative, Not Subject to FOIA - School Analysis Priority List Draft

George,

I concur with the prioritization.

So, none of the schools are on known lead service lines? What does the notation that follows (e.g., 4"CI) mean?

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: Krisztian, George (DEQ)
Sent: Tuesday, October 13, 2015 10:31 AM
To: Dykema, Linda D. (DHHS); Edgerton, Shelly (LARA)
Cc: Madziar, Joseph (LARA); Sygo, Jim (DEQ)
Subject: FW: Preliminary and Deliberative, Not Subject to FOIA - School Analysis Priority List Draft
Importance: High

Linda, Shelly and Joe,

Please review and provide comment. The prioritization looks appropriate to me but I want to ensure we have consensus. Once I receive comments back we can finalize this as our priority list for the plumbing evaluation and subsequent sampling.

Thank you
 George

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

From: Busch, Stephen (DEQ)
Sent: Tuesday, October 13, 2015 9:41 AM
To: Krisztian, George (DEQ)

Cc: Shekter Smith, Liane (DEQ); Benzie, Richard (DEQ)

Subject: Preliminary and Deliberative, Not Subject to FOIA - School Analysis Priority List Draft

George,

Attached is the draft list prioritizing schools for plumbing assessment and lead sampling. At this point the City has not forwarded any additional requests for this type of analysis beyond the original request by the Flint Public Schools. As any additional requests are received this list will be updated.

Criteria for prioritization included,

- Zip Code
- Grades levels
- Lead Service Line Materials
- Screening Test results
- Plumbing Complexity

Please share this with Linda at DHHS for concurrence before providing to Joe Madziar, Plumbing Division, DLARA for implementation scheduling. Thanks.

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: Krisztian, George (DEQ)
Sent: Tuesday, October 13, 2015 12:07 PM
To: Sygo, Jim (DEQ)
Subject: FW: flint water

FYI

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

From: Wurfel, Brad (DEQ)
Sent: Tuesday, October 13, 2015 11:59 AM
To: Busch, Stephen (DEQ); Shekter Smith, Liane (DEQ); Krisztian, George (DEQ)
Cc: Saxton, Thomas (Treasury); Howard Croft (hcroft@cityofflint.com); Lasher, GERALYN (DHHS); Muchmore, Dennis (GOV)
Subject: FW: flint water

Steve, what's our role here and do we have an update to offer?
 Howard, wanted you looped into this request if you've got anything to add
 Tom, heads up Fonger may be headed your way.
 GERALYN, same FYI.
 b

From: Ronald Fonger [<mailto:RFONGER1@mlive.com>]
Sent: Tuesday, October 13, 2015 9:50 AM
To: Wurfel, Brad (DEQ)
Subject: flint water

Hey Brad:
 Where is the DEQ at with approving Flint's activation of the sections of Flint and Genesee County transmission pipe?
 Howard Croft said yesterday that the city's line is disinfected and ready.
 Also, I made a note to expect the corrosion control plan this week. Any word on that?
 Thanks,

Ron Fonger
 MLive Media Group
 Reporter

mobile PPI
 email rfonger1@mlive.com
 address 540 S. Saginaw St. #101, Flint MI 48502

From: Krisztian, George (DEQ)
Sent: Tuesday, October 13, 2015 2:49 PM
To: Sygo, Jim (DEQ)
Subject: FW: Documents provided to Legislature
Attachments: Freep 101115 Flint.pdf; Flint Water FY 2016 Supplemental Budget Request.docx; Flint Drinking Water Events Timeline.docx; Flint Backgrounder.docx; FlintWater_ActionPlan_100115.pdf

FYI

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

From: Feuerstein, Heather (DEQ)
Sent: Tuesday, October 13, 2015 2:40 PM
To: Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ); Krisztian, George (DEQ)
Subject: Documents provided to Legislature

Here are the documents Dan provided to the Legislature today.

Heather Feuerstein
Management Assistant to
Maggie Pallone, Deputy Director and
Brad Wurfel, Communications Director
Department of Environmental Quality
517.284.6715

Chemical testing could have predicted Flint's water crisis

By John Wisely and By Robin Erb, Detroit Free Press 7:14 a.m. EDT October 11, 2015



(Photo: Ryan Garza, Detroit Free Press)

Chemical tests could have predicted the corrosion in the pipes that is now being blamed for endangering the health of thousands of vulnerable Flint residents by elevating lead levels in their water supply, experts say.

As the city scrambles to reconnect to the Detroit water system, the absence of such testing on the Flint River water is one of many missed opportunities that might have lessened or avoided the crisis, they say.

"Any competent person should have seen this water will eat up iron and eat up lead," Marc Edwards, a Virginia Tech professor and national expert on pipe corrosion, told the Free Press. Edwards said his own research shows that Flint River water, without additional controls, corrodes the lead inside pipes at 19 times the rate of water piped from Detroit.



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[Why are lead levels in children higher in 2 Flint ZIP codes?](http://www.freep.com/story/news/local/michigan/2015/10/10/lead-danger-basics/73683934/)

[\(http://www.freep.com/story/news/local/michigan/2015/10/10/lead-danger-basics/73683934/\)](http://www.freep.com/story/news/local/michigan/2015/10/10/lead-danger-basics/73683934/)

Among red flags that popped up over the last 18 months:

- General Motors announced in October 2014 that it was pulling its engine plant off Flint water after workers there began noticing rust spots on newly machined parts. The city approved letting GM switch to water from Flint Township, but didn't change its own water treatment procedures.
- The University of Michigan-Flint alerted city officials that it found elevated lead levels in its water in January, prompting the school to shut off some drinking fountains and add water filters to others.
- Testing in the fall of 2014 found E. coli in the city's water system, prompting "boil water" notices. The city's procedures for killing the E. coli produced chemical by-products known as trihalomethanes, which can cause cancer with long-term exposure. The city had to adopt additional measures to reduce them.

"Common sense tells you that the Flint River is not your first choice of drinking water," said Shawn McElmurry, who teaches civil and environmental engineering at Wayne State University and has followed Flint closely.



DETROIT FREE PRESS

[Q & A on Flint's water troubles](http://www.freep.com/story/news/local/michigan/2015/10/10/flint-water-qa/73693500/)

[\(http://www.freep.com/story/news/local/michigan/2015/10/10/flint-water-qa/73693500/\)](http://www.freep.com/story/news/local/michigan/2015/10/10/flint-water-qa/73693500/)

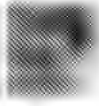
Experts say the testing could have been done before the switch from the Detroit system. But officials from the Michigan Department of Environmental Quality note that that kind of testing isn't required under federal drinking-water rules and has never been done in Michigan. What's more, they said, the Flint River water, treated in the city's plant, was already approved as a backup supply in case of interrupted service from Detroit.

Other experts said the testing is more nuanced, part art and part science. Still, they acknowledge that by examining things such as the acidity of water and other factors, engineers could have estimated how much corrosion to expect once water from the Flint River was pumped into homes and businesses across the city.

"Not every engineer in our field could do it, it's a pretty specialized area," said David Cornwell, a Virginia-based engineering consultant and a technical adviser to the National Drinking Water Advisory Council, a group of experts that works with the Environmental Protection Agency on drinking water issues.

DETROIT FREE PRESS

[Flint doctor makes state see light about lead in water](http://www.freep.com/story/news/local/michigan/2015/10/10/missed-opportunities-flint-water-crisis/73...)



(<http://www.freep.com/story/news/local/michigan/2015/10/10/hanna-attisha-profile/73600120/>)

The fix now will cost \$12 million — a combination of money from the state, the city and the Flint-based non-profit C.S. Mott Foundation, which has pledged \$4 million to help pay Detroit for the water while Flint waits to connect to a new water authority in partnership with Genesee County.

Water woes began shortly after switch from Detroit

Flint began using Flint River water as its main supply in April 2014. Before that, it bought Lake Huron water that was treated and delivered by the Detroit Water and Sewerage Department. Detroit ended that deal one day after Flint voted to join Genesee County in forming the Karegnondi Water Authority, which plans to build its own Lake Huron intake and pipe the water to the Flint Water Plant.

Flint officials wanted to remain on Detroit's system, but the two sides couldn't agree on a price and a contract length.

Once the switch to river water was made, the city, which was operating under a state-appointed emergency financial manager, faced one problem after another. Residents packed city council meetings and held protest marches to voice their anger about water quality.

Experts say Flint's lead problems could have been held in check if the city had added phosphates to the water, as Detroit has done for years. The treatment doesn't eliminate lead entirely, but it does form a film over the pipes themselves, effectively sealing in the lead and reducing the amount in the water to acceptable levels.

But when Flint switched to river water, it didn't add phosphates. Instead it added lime to soften the water.

"The lime softening process has the added benefit of some corrosion control," said Liane Smith, chief of Michigan's Office of Drinking Water and Municipal Assistance.

Smith said that once the switch was made, the state began testing for lead and copper, as is required by the federal Environmental Protection Agency.

"Any new supply that comes along has to do two six-month rounds of monitoring for lead and copper out in their distribution system," Smith said. If those tests show corrosion, additional steps, such as perhaps adding phosphates, are supposed to be followed.

The first round of testing completed in December 2014 showed lead levels of 6 parts per billion. The second round, completed in June of this year, showed they had almost doubled to 11 parts per billion. The EPA requires a remediation plan when levels reach 15 parts per billion and can demand action even below that mark on systems that serve more than 50,000 people.

Comwell said phosphates are considered more effective than lime softening and they don't raise treatment costs substantially. But they have side effects, he said.

"The negative is that nobody really likes phosphates out in the environment," he said, noting they can find their way into rivers and lakes, fueling algae blooms such as the ones in Lake Erie.

"There is more to it than saying we're just going to pump phosphates," Comwell said. "You may have to make other adjustments."



A man crosses a bridge over the Flint River near the Hamilton Dam in downtown Flint on Thursday, Oct. 8, 2015. Flint has been getting its drinking water from the river since last year. (Photo: Ryan Garza, Detroit Free Press)

Flint River water a challenge to clean up

Flint River water was always going to pose more treatment challenges than the cold, clear water that comes from the bottom of Lake Huron, experts said.

The river has been marked by decades of industrial pollution. Its tributaries channel farmland run-off into it and its temperature varies by season. Warmer water can promote bacteria growth. All of those factors make treating it to drinking-water standards more difficult.

"The city was doing the best it could" to clean up pollutants, Edwards said, but added that corrosivity was inevitable.

He blamed the problems on a lack of expertise rather than intentional wrongdoing.

"I think it started relatively innocently. They didn't understand testing and they didn't understand corrosivity," he said.

Last month, Edwards' research group released results of corrosion tests it conducted on Flint's water. For the test, researchers used copper pipe with lead solder, which is common in older homes.

The tests showed Flint River water without added phosphates corroded the lead at 19 times the rate of Detroit water. Even when phosphates were added, it corroded at 16 times the rate of the Detroit water.

"From the second it was switched, it was doomed from the lead problem," Edwards said.

When residents began complaining about the water, the city and state should have begun to rethink their testing, Edwards said.

Problems were evident soon after the switch.

In August last year, E. coli was found in the water and residents were urged to boil it before drinking it. The city treated it with disinfectant, but that produced by-products in the water known as trihalomethanes. Long-term exposure to them can cause cancer, so the city began making treatment adjustments.

Then as summer turned to fall, workers at Flint's GM engine plant began seeing rust on newly machined engine parts. GM's lab tests found high levels of chloride in the water used to wash down metal shavings and cool parts heated from the rapid machining action inside the plant, GM spokesman Tom Wickham said.

GM tried to treat the water in the plant. It had drinking water delivered and tankers brought water for operations, Wickham said.

But it eventually sought to connect to Flint Township's water system, which is supplied by Detroit.

In December the connection was finalized and Detroit water began flowing to the plant, via Flint Township.

In January 2015, lead was showing up at the University of Michigan's Flint campus. School leaders become concerned about the water supply after the city issued "boil water" advisories to kill E. coli and realized they'd never done routine, thorough water testing.

Tests in January and February showed elevated levels of lead and other problems in isolated areas —specifically in two infrequently used drinking fountains in two older buildings.

Follow-up testing found other elevated levels of lead, and those sinks and fountains then were either fitted with filters or removed, said Mike Lane, director of the environment, health and safety department

He said officials suspected the problem was in their pipes but notified the city anyway.

In June, Miguel Del Toral of the Environmental Protection Agency drafted an internal memo noting the problems Flint had experienced with E. coli and the by-products of the chemicals used to treat it.

"A major concern from a public health standpoint is lack of corrosion control treatment in the city of Flint for mitigating lead and copper levels in the drinking water," Del Toral wrote.

The memo caused a stir when the American Civil Liberties Union exposed it. But the EPA told the Free Press on Friday that the memo was a draft that was never delivered to MDEQ officials, including Smith, whose names appear on it.

The EPA did say it discussed the concerns raised in the memo with MDEQ officials in July, but the agency did not respond immediately to a request for details.

Leaching lead not unique to Flint

The problem of lead leaching into drinking water isn't unique to Flint. Across Michigan and around the country, pipes that carry water from the mains under the street into homes, businesses and schools often contain lead. Inside homes and business, many older plumbing fixtures and soldered pipes also contain it.

Cornwell said officials from across the nation have formed a working group to review the lead and copper rules and look for ways to improve them. Among the things being considered is a national effort to remove lead pipes from water systems.

But even if a national consensus formed around that idea, the process would take years, Cornwell said. A funding source for such a massive project also would be needed.

Still, he said, removing the pipes is the only surefire way to eliminate lead from the system.

"We can only do so much with water chemistry," he said. "We can only turn the knob so much "

Contact John Wisely: 313-222-6825 or jwisely@freepress.com

Contact Robin Erb: 313-222-2708 or rerb@freepress.com.

TIME LINE

April 16, 2013: Flint signs agreement to join the Karegnondi Water Authority.

April 17, 2013: Detroit terminates contract with Flint, giving it one year to find a new water source.

April 24, 2014: Flint switches from Detroit water to Flint River water.

April 30, 2014: Flint closes all valves connecting to Detroit water supply.

June-Sept. 2014: Flint residents complain about smell, taste and discoloration of water.

Dec. 16, 2014: Michigan Department of Environment Quality cites Flint for exceeding limits on disinfection by-products.

Dec. 27, 2014: Flint's General Motors engine plant, citing high chloride levels in the water, switches off its hook-up to Flint, drawing water instead from neighboring Flint Township.

Jan. 9, 2015: Concerned about Flint's water warnings, University of Michigan's Flint campus begins testing its water, detecting lead in isolated,

infrequently used areas.

June 24, 2015: Environmental Protection Agency drafts a report raising concerns about lead in Flint's water system as a result of corrosion. It doesn't send the report, but discusses its concerns with MDEQ officials in July.

Sept. 24, 2015: Dr. Mona Hanna-Attisha releases data showing spike in blood-lead levels in Flint children.

Oct. 2, 2015: State officials tell room packed with reporters that there's a problem with Flint's water.

Read or Share this story: <http://on.freep.com/1LoJP7S>

Flint Water FY 2016 Supplemental Budget Request

1. \$1 Million for Filters

The \$1 million for filters will be used to purchase filters for households in Flint that do not qualify for assistance under any of the DHHS assistance programs. Filters for those residents will be paid for out of funding already in place in DHHS' budget. Each filter is \$20 and they were ordered in bulk through Home Depot. Filters are being distributed through local public health departments, with documentation filed for each filter handed out.

2. \$6 Million for switch from Flint River to DWSD

The City of Flint estimates it will cost the City an additional \$1.3 million per month to use DWSD instead of the Flint River. The State and the City agreed to split the cost through June 2016, when the new Karegnondi Water Authority will be completed and Flint will switch to that water source. (\$1.3 million for 9 months)

3. \$1.35 Million for resources to do community Lead Exposure Testing

DEQ, DHHS and LARA are assembling a team to go into schools, childcare facilities, and other high lead exposure health risk locations to test and follow up on lead exposure.

4. \$1 Million for evaluating sample results at the State Lab

The new testing protocols for schools will require each faucet in the school to be tested and evaluated at the State lab. In addition, lead exposure testing in homes will result in tens of thousands more samples that will be need to processed. Each sample costs \$26 to process.

Total Ask: \$9.35 Million, \$7.15 GF



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

Flint Drinking Water Events Timeline

- April 2013 – Flint notifies DWSD of contract discontinuation and joins the Karegnondi Water Authority
- April 2013 – DWSD sets termination of Flint water service contract to April 17, 2014
- June 2013 – Karegnondi Water Authority groundbreaking
- June 2013 – Flint notifies DEQ of intent to use of Flint Water Treatment Plant full time with Flint River
- May 2014 – Flint stops purchasing DWSD water. Starts using the City of Flint WTP and Flint River
- August 2014 – Flint E.Coli Bacteria violation, Partial System Boil Water Advisory
- August 2014 – Disinfection Byproducts, DEQ requests preemptive Operational Evaluation
- September 2014 – Flint Total Coliform Bacteria violation, Partial System Boil Water Advisory
- November 2014 – Disinfection Byproducts violation begins
- January 2015 – 1st 6 month lead and copper sampling completed 100 samples, 90th% = 6 ppb
- July 2015 – 2nd 6 month lead and copper sampling completed 69 samples, 90th% = 11 ppb
- August 2015 – Disinfection Byproducts return to compliance
- August 2015 – Flint required by DEQ to recommend and install Optimized Corrosion Control Treatment
- September 24, 2015 – Hurley Children's Hospital data reveals high lead levels in Flint children
- October 8, 2015 – State screening results show elevated lead levels in Flint schools
- October 2015 (anticipated) – Flint switches back to DWSD for water
- July 2016 – Planned connection to Karegnondi Water Authority (Lake Huron water to Flint WTP)



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



DAN WYANT
DIRECTOR

Backgrounder on City of Flint Water

After a change in the water source for Flint residents, there have been concerns related to the water quality, in particular lead in the water, and its impact of the community. As a result, Department of Health and Human Services (DHHS) and the Department of Environmental Quality (DEQ), working with local public health departments and the City of Flint (City), have put together an Action Plan to address public health concerns in the City.

While Flint water is meeting all state and federal drinking water standards, there is an increasing level of concern that the Flint River is not the best water source. The City's Technical Advisory Committee recommended the City switch back to DWSD. In addition, recent studies by Hurley Children's Hospital, and confirmed by DHHS, have indicated a rise in blood lead levels in some Flint children. Sample screening completed last week by the DEQ indicated that some Flint Public Schools have detectable lead levels in their water.

Action Plan:

Immediately, the City and State announced the following steps:

- Governor named Dr. Eden Wells as Flint Public Health Advisor
- Advisories issued recommending residents flush their cold water pipes before use, as well as only use water from the cold water tap for drinking, cooking and especially making baby formula.
- Schools are advised to not use the drinking water fountains and are using bottled water.
- Free filters are available to all households in Flint, along with replacement filters.
- Flint Public Schools were screened for lead exposure.

For the near term, the City and State are asking for/ doing the following:

- Switch the drinking water source from the Flint River to DWSD.
- Test and inspect all schools in Flint, including charter and parochial schools.
- Free water testing for all homes.
- Expand exposure testing to additional households in Flint.

For the long term health of all Flint residents, the City and State have committed to:

- Switching to the Karegnondi Water Authority in the summer of 2016 as the permanent water supply for the City of Flint
- Allow for Drinking Water Revolving Loan funds to be used to expedite the replacement of private residential lead service lines.
- Lead exposure campaigns for homes, schools and communities.

Budget Request:

To facilitate the action plan outlined above, the State is requesting \$10.6 million (\$8.2 million GF). The funding will address 4 priority areas:

1. Provision of filters for residential service (\$2,016,000)

Filters will be provided to all Flint households, including replacement filters until the system is fully optimized. Each filter cost is \$20.

2. 50% of the estimated cost to reconnect temporarily to the DWSD (\$6,000,000)

The City has estimated it will cost an additional \$1.3 million per month to use DWSD instead of the Flint River. The State and City have agreed to split the cost through July 2016 when the new Karegnondi Water Authority will be completed and Flint will switch to that water source.

3. Funding for testing water samples (\$1,000,000)

New testing protocols for schools will require each faucet in the school be tested and evaluated at the State's lab. In addition, lead exposure testing in homes will result in thousands of additional samples that will need to be evaluated. Each sample cost \$26 to process.

4. Lead exposure testing and inspections (\$1,600,000)

DHHS, DEQ and LARA are pulling together a team to go into schools and high risk homes to test and evaluate lead exposure.

From: Krisztian, George (DEQ)
Sent: Wednesday, October 14, 2015 8:12 AM
To: Tommasulo, Karen (DEQ)
Subject: RE: contact list

Hi Karen,

Please include:

Shelly Edgerton (LARA) Action Plan coordinator for LARA
Dr. Eden Wells (DHHS) Will be representing DHHS at meetings with Flint
Christine Sanches (DHHS) questions regarding filters being handed out

The contact information for the above should be in Outlook.

When you send this out to the group please ask them for additions as well

Thank you!
George

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

From: Tommasulo, Karen (DEQ)
Sent: Tuesday, October 13, 2015 3:39 PM
To: Krisztian, George (DEQ)
Subject: contact list

George,
Here's the start of a contact list. Is there anyone else I should add before I send it to the group?

Karen Tommasulo
Public Information Officer
Michigan Department of Environmental Quality
517-284-6716 | 517-599-5733
tommasulok@michigan.gov

From: Krisztian, George (DEQ)
Sent: Wednesday, October 14, 2015 10:49 AM
To: Shaler, Karen (DEQ)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ)
Subject: RE: GOV00041 Ordway / Independent Review to Resolve the Flint Drinking Water Issues
Attachments: Log Letter Ordway.docx

Karen,

Attached is my draft to the above reference log letter.

Thank you
George

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

From: DEQ-LogLetter
Sent: Tuesday, October 13, 2015 9:53 AM
To: Krisztian, George (DEQ)
Cc: Thelen, Mary Beth (DEQ); Sygo, Jim (DEQ); Shaler, Karen (DEQ); Shekter Smith, Liane (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: GOV00041 Ordway / Independent Review to Resolve the Flint Drinking Water Issues

Assigned to EXE (George)

Hard copy to Mary Beth

Dear Mr. Ordway:

Thank you for your letter dated October 9, 2015.

We appreciate your offer to assist the State of Michigan in conducting an after action review with respect to the issues facing the city of Flint's drinking water system. Our current top priority is to ensure that we are protecting public health. We recognize that an after action review will be beneficial to our processes once we have had the opportunity to work through this initial phase. While we currently do not know any specific details of how we will implement the after action review we will keep you letter on file for further consideration once that process begins.

Once again thank you for your interest.

George L Krisztian
(Title info)

From: Krisztian, George (DEQ)
Sent: Wednesday, October 14, 2015 10:55 AM
To: Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ)
Subject: FW: Preliminary & Deliberative, not subject to FOIA - Norway Lake Road widening for KWA
Attachments: 20151013Olson_DNR-Ltr.pdf

Last minute entry for inclusion in the larger document identifying action steps.

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

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

From: Prysby, Mike (DEQ)
Sent: Wednesday, October 14, 2015 10:32 AM
To: Krisztian, George (DEQ)
Cc: Shekter Smith, Liane (DEQ)
Subject: FW: Preliminary & Deliberative, not subject to FOIA - Norway Lake Road widening for KWA

George,

Add this to Action Step No. 18

Mr. Chris Clampitt from WRD has made me aware of another potentially serious bottleneck concerning construction of the KWA pipeline. A "stop-work" order could be coming from the Lapeer County Road Commission soon - read in thread below....also, see Chris's discussion below and attachment.

Michael Prysby, P.E.
 District Engineer
 Office of Drinking Water and Municipal Assistance
 517 290-8817

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

From: Clampitt, Christopher (DEQ)
Sent: Wednesday, October 14, 2015 10:12 AM
To: Prysby, Mike (DEQ)
Cc: Vanderlaan, Mary (DEQ); Kammer, Stephanie (DEQ)
Subject: Preliminary & Deliberative, not subject to FOIA - Norway Lake Road widening for KWA

Mike,

As I mentioned, in August of 2014 I learned that the Lapeer County Road Commission (LCRC) had requested that the KWA widen Norway Lake Road through the Lapeer State Game Area (LSGA) after KWA installs the pipeline in the road. The attached letter from Larry Osborn (WadeTrim on behalf of the KWA) to Jennifer Olson (DNR) describes the request. There are at least two components of this work that could substantially slow progress in constructing the KWA line through the LSGA.

The first is that the state (DNR) apparently owns the land on which the added road width would be placed. Typically,

these lands are purchased using federal dollars and the federal government seeks compensation if the lands are no longer used for fish and wildlife habitat. Also, the centerline of the road may not match the centerline of the ROW, which could further complicate matters, especially if the LCRC requires that the road be moved to match the ROW (or vice versa). The DNR's response to Mr. Osborn's letter will probably address these issues. However, as a point of reference, it took 10 months for the DNR to grant the KWA a permanent easement at another location on the route.

The second complication is that much of land beside Norway Lake Road through the LSGA is forested wetland that is protected under Part 303, Wetlands Protection, of the NREPA. As I advised KWA representatives in August of 2014, the expansion of the roadway into wetland will need to be addressed under a new permit application. Although there is a minor project (MP) category for limited wetland fills for transportation safety purposes, it is likely that the additional wetland fill in this case will exceed 0.1 acres or otherwise fail to meet the MP criteria. That means that the DEQ's Water Resources Division (WRD) would have to prepare and issue a public notice, which opens a 20-day public comment period. The Lansing District WRD staff are currently backed up in our permit processing due to the roll-out of the MiWaters information/permit-management system on top of the normal heavy load of summer permit application. It is likely that we would need the full 120 days allowed for in statute to process this application. Further, if an affected party (say the LCRC) requested a public hearing on the permit application, we would be allowed an additional 60 days in which to hold a hearing and assess the public comments from the hearing and the 10-day post-hearing comment period. All of this assumes that the KWA doesn't require time to provide additional information after they submit their permit application. Additionally, and perhaps more importantly, it is likely that this permit application would require a (concurrent) federal review. The EPA has generally been submitting its comments near the end of their 90-day review period, which starts when they receive our Public Notice and thus, typically, corresponds with our 120th day. Also, it is likely that the KWA will have to mitigate (at 2:1) for all permanent wetland losses, which will, at a minimum, increase the cost of the project. It may also slow the process down as KWA will need to either purchase credits in a wetland mitigation bank or design and build its own mitigation wetland.

Let me know if you have any questions on this or need additional information/documents from me.

Thanks.

Chris

Christopher Clampitt
Lansing District
Water Resources Division
Michigan Department of Environmental Quality
525 W. Allegan Street
P.O. Box 30242
Lansing, MI 48909
Phone: 517-243-6956; FAX: 517-241-3571

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

From: Hansen, Ron B. [mailto:ronh@spicergroup.com]
Sent: Tuesday, October 13, 2015 5:09 PM
To: Clampitt, Christopher (DEQ) <CLAMPITTC@michigan.gov>
Cc: Miller, Warren T. <warrenm@spicergroup.com>
Subject: FW: KWA along Norway Lake Road

Chris,

We previously have advised all parties that modifications to wetland and stream permits should be anticipated should widening of Norway Lake Road be incorporated into the project scope. At this point, we have not been asked to prepare

any permit modification requests or additional permit applications.

See update from Larry Osborne in email string below and copy of the letter sent to MDNR.

Ron
989-928-8021

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

From: Osborn, Larry [mailto:LOSBOURN@WadeTrim.com]
Sent: Tuesday, October 13, 2015 3:14 PM
To: Hansen, Ron B. <ronh@spicergroup.com>
Cc: 'Matt Raysin' <mrraysin@gcdcwws.com>; Harrison, Tiffany <tharrison@wadetrim.com>; Kenyon, Jason <JKenyon@WadeTrim.com>
Subject: RE: KWA along Norway Lake Road

Ron,

At this time nothing has changed as far as the road width or what was permitted. However, the Lapeer County Road Commission is requiring additional road widening and shoulders or they will issue a stop work order to the Contractor once he gets to M-24. We are exploring this requirement via the DNR since they have fee simple interest to the land over which the ROW easement runs, so essentially they own the land. Here is the letter I sent to Jennifer Olson today.

Any questions, give me a call.

Larry A. Osborn, PE, Professional Engineer
555 S. Saginaw Street, Suite 201, Flint, Michigan 48502
810.235.2555 direct | PPI cell | 810.235.4975 fax

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

From: Hansen, Ron B. [mailto:ronh@spicergroup.com]
Sent: Tuesday, October 13, 2015 1:51 PM
To: Osborn, Larry; Kenyon, Jason; Harrison, Tiffany
Subject: Fwd: KWA along Norway Lake Road

Please advise.

Ron
989 928 8021

Begin forwarded message:

From: "Clampitt, Christopher (DEQ)" <CLAMPITTC@michigan.gov<mailto:CLAMPITTC@michigan.gov>>
Date: October 13, 2015 at 1:20:53 PM EDT
To: "Ronald B. Hansen (ronh@spicergroup.com<mailto:ronh@spicergroup.com>)"
<ronh@spicergroup.com<mailto:ronh@spicergroup.com>>
Subject: KWA along Norway Lake Road

Ron,

Has the scope of work, specifically the width of the road fill, along Norway Lake Road through the State Game Area been established? If so, will there be a change from what was originally permitted?

Thanks.

Chris

Christopher Clampitt
Lansing District
Water Resources Division
Michigan Department of Environmental Quality
525 W. Allegan Street
P.O. Box 30242
Lansing, MI 48909
Phone: 517-243-6956; FAX: 517-241-3571

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From: Krisztian, George (DEQ)
Sent: Wednesday, October 14, 2015 11:47 AM
To: mvalacak@gchd.us
Cc: Wells, Eden (DHHS)
Subject: Preliminary and Deliberative: Communications Coordination

Hi Mark,

My name is George Krisztian and I have been appointed to be the Flint Action Plan Coordinator. I will serve as the point person for all DEQ related activities with respect to the Flint water issue.

I wanted to update you on the activities that are taking place with respect to our efforts in the Flint School System. In addition, I would like to invite you and the staff at the Genesee County Health Department to partner with the DEQ, DHHS and DLARA in implementing an evaluation of the plumbing systems within the Flint Public School System.

We are currently trying to put together a meeting with the 13 schools that were part of the initial lead screening and I would like to invite staff from the GCHD to attend as well. We would like to have a discussion about the results and outline the protocol that will be used to evaluate each schools' respective plumbing system. I believe that your presence at the meeting would be very beneficial as we try to put all of the data into context.

The DEQ is also working with MDARD to provide guidance to restaurants in terms of procedures for ensuring that water is safe for cooking and consumption purposes. There will be more to follow on that issue.

I would also like to know if GCHD would be willing to take the samples at the schools once the plumbing evaluation by DLARA has been completed. We feel that it is important that trained professionals take these samples so that we can ensure that the data generated is of the highest possible quality.

Sincerely,
George

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

From: Krisztian, George (DEQ)
Sent: Wednesday, October 14, 2015 12:33 PM
To: Edgerton, Shelly (LARA); Sygo, Jim (DEQ)
Subject: FW: Preliminary and deliberate information not subject to FOIA
Attachments: City of Flint Schools List (1).xlsx

FYI

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

From: Howard Croft [<mailto:hcroft@cityofflint.com>]
Sent: Wednesday, October 14, 2015 12:27 PM
To: Busch, Stephen (DEQ)
Cc: Krisztian, George (DEQ); Dykema, Linda D. (DHHS)
Subject: Re: Preliminary and deliberate information not subject to FOIA

Steve,

We have filtered your universe list and taken out duplicates and township locations that do not have Flint water. We verified that there are open and active water accounts and have found and called active phone numbers and in most cases a contact name.

I will work on additional filters for priority.

On Mon, Oct 12, 2015 at 8:31 AM, Howard Croft <hcroft@cityofflint.com> wrote:
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://areg.is/11.4g22k>

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.

--
Howard Croft

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

--
Howard Croft

Public Works Director
City of Flint
1101 S. Saginaw Street
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hcroft@cityofflint.com

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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

	A	B	C	D	E	F
1	StatusName	EntityTypeName	OriginalEntityCode	EntityOfficialName	ActualGradeList	ActualEducationalSettings
2	Open-Active	PSA School	08732	International Academy of Flint (K-12)	KG,1-12	GenEd,SpecEd
3	Open-Active	LEA School	07576	Mott Middle College High School	9-12	Alt, GenEd
4	Open-Active	LEA School	02777	Northwestern High School	9-12	21CCL, Alt, GenEd, SpecEd
5	Open-Active	LEA School	03554	Southwestern Classical Academy	7-12	Alt, GenEd
6	Open-Active	LEA School	03033	Pierce School	KG, KG-Part, 1-6	21CCL, GenEd, PK, SpecEd
7	Open-Active	LEA School	03129	Doyle/Ryder School	KG-Part, 1-6	GenEd, PK, SpecEd
8	Open-Active	LEA School	03108	Potter School	KG,KG-Part,1-7	21CCL, GenEd, PK, SpecEd
9	Open-Active	LEA School	02670	Neithercut Elementary School	KG-Part, 1-6	21CCL, GenEd, PK, SpecEd
10	Open-Active	LEA School	01320	Freeman School	KG, KG-Part, 1-6	21CCL, GenEd, PK, SpecEd
11	Open-Active	LEA School	01098	Eisenhower School	KG, KG-Part, 1-6	21CCL, Alt, GenEd, PK, SpecEd
12	Open-Active	LEA School	00974	Durant Tuuri Mott School	KG-Part,1-7	21CCL, GenEd, PK, SpecEd
13	Open-Active	Nonpublic School	03956	St. Paul Lutheran School	KG-Part, 1-8	GenEd, PK
14	Open-Active	Nonpublic School	06022	Fr. Luke M. Powers High School	9-12	GenEd
15	Open-Active	Nonpublic School	06217	St. John Vianney School	KG-Part, 1-8	GenEd, PK
16	Open-Active	State School	02548	Michigan School for the Deaf	KG, 1-12	PK, SpecEd
17	Open-Active	PSA School	09305	Richfield Public School Academy	3-8	GenEd, PK, SpecEd
18	Open-Active	LEA School	09774	Genesee Early College	9-12	Alt, GenEd, SchlChoice
19	Open-Active	Other Non-School Recipient	250000066	FOOD BANK OF EASTERN MICHIGAN INC		
20	Open-Active	Other Non-School Recipient	25SPX0011	GLORIAS LITTLE ANGELS INC		
21	Open-Active	Other Non-School Recipient	250000060	MIRIAM D CLEMONS/SAND CASTLES		
22	Open-Active	Other Non-School Recipient	250000016	Genesee County Community Action Resource Department		
23	Open-Active	Other Non-School Recipient	25SPX0003	SHELTER OF FLINT INC		
24	Open-Active	Other Non-School Recipient	25SC04500	TALL PINE COUNCIL		
25	Open-Active	Other Non-School Recipient	810000039	U OF M EARLY CHILDHOOD DEV. CENTER		
26	Open-Active	Other Non-School Recipient	25SPX0022	Eagle's Nest Child Care Center		
27	Open-Active	Other Non-School Recipient	990000070	Connexion, Incorporated		
28	Open-Active	Other Non-School Recipient	250008002	Whaley Children's Center		
29	Open-Active	Other Non-School Recipient	25SPX0025	BRIDONS CHILD DEVELOPMENT CENTER		

	G	H	I	J	K	L
1	PhysicalAddress1	PhysicalAddress2	PhysicalCity	PhysicalState	PhysicalZip	Contact Name
2	2820 SOUTH SAGINAW ST		FLINT	MI	485035708	Kendra Giles, Director
3	1401 EAST COURT ST		FLINT	MI	485036208	Margaret E. Green, Principal
4	G2138 WEST CARPENTER RD		FLINT	MI	485051977	Timothy Green, Principal
5	1420 WEST 12TH ST		FLINT	MI	485071425	Cheryl Tate, Principal
6	1101 WEST VERNON DR		FLINT	MI	485032840	Shalonda Byas, Principal
7	1040 NORTH SAGINAW ST		FLINT	MI	485031736	Rob Bueche, Principal
8	2500 NORTH AVERILL AVE		FLINT	MI	485063010	Gretchen Shafer, Principal
9	2010 CRESTBROOK LN		FLINT	MI	48507	Debra Jackson-Noble, Principal
10	4001 OGEMA AVE		FLINT	MI	485072887	Anita Steward, Principal
11	1235 PERSHING ST		FLINT	MI	485033533	Rachel Turner, Principal
12	1518 UNIVERSITY AVE		FLINT	MI	485046208	Shelly Umphrey, Principal
13	402 SOUTH BALLENGER HWY		FLINT	MI	485323637	Mary Lynn Buck, Principal
14	1505 W Court St		Flint	MI	485035002	Thomas Furnas, Principal
15	2319 BAGLEY ST		FLINT	MI	485044613	Lara Daniel, Principal
16	1235 W. COURT ST.		FLINT	MI	485035015	Cecelia Winkler, Principal
17	3807 NORTH CENTER RD		FLINT	MI	485062642	Aubrey McClain, Principal (3-5) Amy Boyles, Principal (6-8)
18	2413 W Maple Ave	(U of M Flint Campus - 509 Harrison St., #3102 Flint, MI 48502	Flint	MI	48507	Ms. Margaret Green Interim Principal
19	2312 LAPEER RD		FLINT	MI	485034221	
20	ATTN VENITA HILER		FLINT	MI	48507	VENITA HILER
21	3129 CLIO RD		FLINT	MI	485047184	MIRIAM D CLEMONS
22	719 HARRISON ST		FLINT	MI	485021613	Steve Walker
23	924 Cedar Street		Flint	MI	485033620	Anne Grantner
24	BOY SCOUTS OF AMERICA	507 W ATHERTON ROAD	FLINT	MI	48507	Misty or Laura
25	303 E. Kearsley St.,	1313 William S. White Building	Flint	MI	485021715	Della Becker -Cornell, Director
26	6103 Eagle Ridge Ln		Flint	MI	485056740	
27	1110 ELDON BAKER DR		FLINT	MI	485071923	Herbert Winfrey, Program Manager
28	1201 NORTH GRAND TRAVERSE ST		FLINT	MI	485031312	Becki Flanagan, Director of Finance
29	817 EAST KEARSLEY ST	SUITE 3C	FLINT	MI	485032076	

	M
1	Contact Tel#
2	810-600-5223
3	810-232-8531
4	810-767-8400
5	810-760-1400
6	810-767-8250
7	810-760-5266
8	810-760-1813
9	810-760-1359
10	810-760-1797
11	810-760-1607
12	810-760-1594
13	810-239-6733
14	810-591-4741
15	810-235-5687
16	810-257-1400
17	810-736-1281
18	810-591-5115
19	810-239-4441
20	810-424-9649
21	810-233-3644
22	810-232-2185
23	810-239-5433
24	989-662-4464
25	810-424-5214
26	810-787-3900
27	810-715-2340
28	810-234-3603
29	810-249-5437

	A	B	C	D	E	F
30	Open-Active	Other Non-School Recipient	250005113	Flint Institute of Music		
31	Open-Active	Other Non-School Recipient	990000204	SUNNY PATCH LEARNING CENTER, LLC		
32	Open-Active	Other Non-School Recipient	990000250	Alutiiq Professional Services, LLC		
33	Open-Active	Other Non-School Recipient	990000653	Living Word Ministry Enrichment		
34	Open-Active	Other Non-School Recipient	990000662	Honey Bee Palace Child Care Center, Inc.		
35	Open-Active	Other Non-School Recipient	990000918	Motherly Intercession		
36	Open-Active	Other Non-School Recipient	990001001	HJ&G LLC, Bright Beginnings		
37	Open-Active	Other Non-School Recipient	990001106	Positive Start Child and Development Center		
38	Open-Active	Other Non-School Recipient	990001218	Mott Community College		
39	Open-Active	PSA School	01402	The New Standard Academy	KG,1-8	GenEd, PK, SpecEd
40	Open-Active	Other Non-School Recipient		Alpha Kids	14 months - KG	*In YWCA Greater Flint Building*
41	Open-Active	LEA School	01916	Brownell STEM Academy	KG,1-2	GenEd,PK
42	Open-Active	LEA School	01917	Holmes STEM Academy	3-7	GenEd,PK
43	Open-Active	PSA School	01882	WAY Academy - Flint, Flint Campus	7-12	Alt
44	Open-Active	PSA School	02031	Genesee STEM Academy	KG,1-7	GenEd, PK, SpecEd
45	Open-Active	Other Non-School Recipient	990004592	Genesee Area Focus Fund, Inc.		
46	Open-Active	LEA Unique Education Provider	02564	Genesee County Jail	9-12	AdultEd, Alt, Locked
47	Open-Active	Other Non-School Recipient	990004905	KIDDIE TIME CHILDCARE CENTER		

	G	H	I	J	K	L
30	1025 EAST KEARSLEY ST		FLINT	MI	485031922	Paul Torre, President & CEO
31	1160 DONALDSON BLVD		FLINT	MI	485043217	
32	2400 N. Saginaw St.		Flint	MI	48505	Daniel Sheppard, Center Director
33	2001 W Carpenter Rd		Flint	MI	50479	Kirk Laron Whitmore, Pastor
34	642 E Pierson Rd		Flint	MI	51900	
35	817 E Kearsley St		Flint	MI	485032076	Shirley Cochran, Executive Director
36	G3393 Clio Rd		Flint	MI	485041894	
37	3500 W Pasadena Ave		Flint	MI	485042353	Dr. F. E. Gilliard, Pastor
38	1401 E Court St		Flint	MI	485032089	Kerry Farah , Administrative Assistant - Facilities
39	2040 W. Carpenter		Flint	MI	48505	Ken Gatenby, Maintenance Supervisor
						Greg Lathrop
40	310 E 3rd St		Flint	MI	485021711	Dolores Glynn, Director
41	6302 Oxley Dr		Flint	MI	485041698	Anna Johnson, Principal
42	6602 Oxley Dr		Flint	MI	485041674	Anna Johnson, Principal
43	817 E Kearsley St		Flint	MI	485032076	Madeline Black, Director
44	310 W Oakley St		Flint	MI	485033915	Rita Cheek, Principal
						Debra Rosebush, Director of State & Federal Compliance
45	519 S Saginaw St		Flint	MI	485021815	
46	1002 S. Saginaw		Flint	MI	485021499	Sheriff Robert J. Pickell
47	915 S Dort Hwy		Flint	MI	485032800	

	M
30	810-238-1350
31	810-235-2444
32	810-232-9102
33	810-787-2183
34	810-820-8020
35	810-424-9909
36	810-789-8848
37	810-230-0085
	810-762-5684
38	810-762-0260
39	810-787-3330
40	810-239-4689
41	810-760-1643
42	810-760-1643
43	810-412-8655
44	810-600-6466
45	810-600-1404
46	810-257-3407
47	810-780-4890

	A	B	C	D	E	F	G
1	BERRY CHILD CARE CENTER			617 HEMPHILL RD	FLINT	MI	48507
2	BRIDONS CHILD DEVELOPMENT CENTER I			817 EAST KEARSLEY ST, STE 3C	FLINT	MI	485032076
3	CASTILLO ENTERPRISE LLC			G3393 CLIO RD	FLINT	MI	48504
4	Children First Child Care Center Corp.			1081 HOURAN ST	FLINT	MI	485323630
5	Eagle's Nest Child Care Center			6103 Eagle Ridge Ln	Flint	MI	485056740
6	Early On		PK,SpecEd,SpecEdCtPr	5089 Pilgrim Rd	Flint	MI	485073909
7	Early On / Special Education		PK,SpecEd,SpecEdCtPr	5089 Pilgrim Rd	Flint	MI	485073909
8	FOOD BANK OF EASTERN MICHIGAN INC			2312 LAPEER RD	FLINT	MI	485034221
9	GENESEE CHRISTIAN DAY CARE			G-3237 BEECHER ROAD	FLINT	MI	48532
10	Genesee ISD Head Start			5075 Pilgrim Rd	Flint	MI	485073909
11	GLORIAS LITTLE ANGELS INC			2440 LIPPINCOTT BLVD	FLINT	MI	48507
12	GREAT LAKES FIELD SERVICES-DAUCH SCOUT CENTER			507 W Atherton Rd	Flint	MI	485072404
13	HJ&G LLC, Bright Beginnings			G3393 Clio Rd	Flint	MI	485041894
14	Honey Bee Palace Child Care Center, Inc.			642 E Pierson Rd	Flint	MI	51900
15	Jireh Outreach Ministries Int			925 AVON ST	FLINT	MI	485032701
16	KIDDIE KAT CHILDRENS CENTER LLC			5003 EAST CARPENTER RD	FLINT	MI	485064521
17	KIDDIE TIME CHILDCARE CENTER			915 S Dort Hwy	Flint	MI	485032800
18	LAZY LEOPARD-FLINT DAY CARE CENTER			930 EAST MYRTLE AVE	FLINT	MI	485055519
19	MARY MCGEE			G-5248 N SAGINAW	FLINT	MI	48505
20	MIRIAM D CLEMONS/SAND CASTLES			3129 CLIO RD	FLINT	MI	485047184
21	Positive Start Child and Development Center			3500 W Pasadena Ave	Flint	MI	485042353
22	Richfield Public School Academy Pre-K	DevK	GenEd, PK, SpecEd	6103 Eagle Ridge Lane	Flint	MI	48505
23	SOUTH FLINT TABERNACLE INC			PO BOX 7008	FLINT	MI	485070008
24	SUNNY PATCH LEARNING CENTER, LLC			1160 DONALDSON BLVD	FLINT	MI	485043217
25	T-Care's Daycare			5711 Fleming Rd	Flint	MI	485045002
26	The Learning Community		PK,SpecEd	1181 WEST SCOTTWOOD AVE	FLINT	MI	485073615
27	Thelma Buffey Early Childhood Center		PK	4235 Crosby Rd	FLINT	MI	485061530
28	U OF M EARLY CHILDHOOD DEV. CENTER			509 Harrison St	Flint	MI	485021715
29	uniquely created children's center Llc			2040 w carpenter rd	flint	MI	485051908
30	village childcare Academy			G4544 BEECHER RD	FLINT	MI	48532
31	Wayne L. Rankins Preschool			6436 Bray Rd	Flint	MI	485051813
32	WEE LITTLE QUACKERS CHILD CARE CTR			4406 Lennon Rd	Flint	MI	485071029
33	Whaley Children's Center			1201 NORTH GRAND TRAVERSE ST	FLINT	MI	485031312

	A	B	C	D	E	F	G
1	Brownell STEM Academy	KG,1-2	GenEd,PK	6302 Oxley Dr		Flint	MI
2	Colonel Donald McMonagle Elementary School	KG,1-6	Alt, GenEd, PK, SpecEd	3484 NORTH JENNINGS RD		FLINT	MI
3	Doyle/Ryder School	KG-Part, 1-6	GenEd, PK, SpecEd	1040 NORTH SAGINAW ST		FLINT	MI
4	Durant Tuuri Mott School	KG-Part,1-7	21CCL, GenEd, PK, SpecEd	1518 UNIVERSITY AVE		FLINT	MI
5	Dye Elementary School	KG, KG-Part, 1-5	GenEd,SpecEd	1174 SOUTH GRAHAM RD		FLINT	MI
6	Eagle's Nest Academy	KG,1-4	GenEd, SpecEd	5005 Cloverlawn Dr		Flint	MI
7	Eisenhower School	KG, KG-Part, 1-6	21CCL, Alt, GenEd, PK, SpecEd	1235 PERSHING ST		FLINT	MI
8	Elmer A. Knopf Learning Center	DevK, DevK-Part, KG, KG-Part, 1-12	SpecEd,SpecEdCtPr	1493 WEST MAPLE AVE		FLINT	MI
9	Fairhaven SDA School	1-2,4-8	GenEd	G-1379 WEST LOUIS AVE		FLINT	MI
10	First Flint SDA School	1-2,4-6,8	GenEd	G4285 BEECHER RD		FLINT	MI
11	Freeman School	KG, KG-Part, 1-6	21CCL, GenEd, PK, SpecEd	4001 OGEMA AVE		FLINT	MI
12	Genesee STEM Academy	KG,1-7	GenEd, PK, SpecEd	310 W Oakley St		Flint	MI
13	Greater Heights Academy	KG,1-6	GenEd, SpecEd	3196 W Pasadena Ave		Flint	MI
14	Holmes STEM Academy	3-7	GenEd,PK	6602 Oxley Dr		Flint	MI
15	Holy Rosary School	KG-Part, 1-8	GenEd	5191 RICHFIELD RD		FLINT	MI
16	International Academy of Flint (K-12)	KG,1-12	GenEd,SpecEd	2820 SOUTH SAGINAW ST		FLINT	MI
17	Kate Dowdall Elementary School	KG,1-3	GenEd,Alt	3333 SHILLELAGH DR		FLINT	MI
18	Leota Fiedler Elementary School	1, 4-5	GenEd,Alt	6317 NIGHTINGALE DR		FLINT	MI
19	Linden Charter Academy	KG, 1-8	GenEd,SpecEd	3244 NORTH LINDEN RD		FLINT	MI
20	Madison Academy Elementary/Middle School	KG-Part,1-8	Alt, GenEd, SpecEd	6170 Torrey Rd		Flint	MI
21	Michigan School for the Deaf	KG, 1-12	PK, SpecEd	1235 W. COURT ST.		FLINT	MI
22	Milton E. Tucker Middle School	5-8	GenEd	G5159 Summit Street		Flint	MI
23	Neithercut Elementary School	KG-Part, 1-6	21CCL, GenEd, PK, SpecEd	2010 CRESTBROOK LN		FLINT	MI
24	Northridge Academy	KG, 1-8	Alt, GenEd, PK, SpecEd	530 W Pierson Rd		Flint	MI
25	Northwestern Early Childhood Education Center	KG	GenEd, PK	G2138 W Carpenter Rd		Flint	MI
26	Pierce School	KG, KG-Part, 1-6	21CCL, GenEd, PK, SpecEd	1101 WEST VERNON DR		FLINT	MI
27	Potter School	KG,KG-Part,1-7	21CCL, GenEd, PK, SpecEd	2500 NORTH AVERILL AVE		FLINT	MI
28	Randels Elementary School	KG, KG-Part, 1-5	GenEd,SpecEd	6022 BROBECK ST		FLINT	MI
29	Richfield Public School Academy	3-8	GenEd, PK, SpecEd	3807 NORTH CENTER RD		FLINT	MI
30	Richfield Public School Academy K-2	KG,1-2	BSAS, GenEd, PK, SchlChoice, SpecEd	4358 Richfield Rd		Flint	MI
31	Special Education Services-South	DevK, DevK-Part, KG, KG-Part, 1-5	PK,SpecEd,SpecEdCtPr	5089 PILGRIM RD		FLINT	MI
32	Special Services - North	KG,KG-Part,1-12	SpecEd,SpecEdCtPr	2413 W Maple Ave		Flint	MI
33	St. John Vianney School	KG-Part, 1-8	GenEd, PK	2319 BAGLEY ST		FLINT	MI
34	St. Paul Lutheran School	KG-Part, 1-8	GenEd, PK	402 SOUTH BALLENGER HWY		FLINT	MI
35	St. Pius X School	KG-Part, 1-8	GenEd, PK	G3139 HOGARTH AVE		FLINT	MI
36	Stalker Elementary		PK	3329 BURNELL AVE		FLINT	MI
37	The New Standard Academy	KG,1-8	GenEd, PK, SpecEd	2040 W. Carpenter		Flint	MI

	H
1	485041698
2	485041757
3	485031736
4	485046208
5	485323533
6	485042084
7	485033533
8	485075613
9	48505
10	485322711
11	485072887
12	485033915
13	485042330
14	485041674
15	485062114
16	485035708
17	485062246
18	485061714
19	485041753
20	485075954
21	485035015
22	485051429
23	48507
24	485053114
25	485051977
26	485032840
27	485063010
28	485324006
29	485062642
30	485062016
31	485073909
32	485073429
33	485044613
34	485323637
35	485325132
36	485044303
37	48505

	A	B	C	D	E	F	G	H
1	Academy West Alternative Education	6-12	AdultEd, Alt	3400 N Jennings Rd		Flint	MI	485041757
2	Accelerated Learning Academy	7-12	AdultEd, Alt	G2138 W. Carpenter Road		Flint	MI	485051977
3	Armstrong Middle School	6-8	Alt, GenEd	6161 HOPKINS RD # G		FLINT	MI	485061657
4	Bendle/Carman-Ainsworth Alternative Education	6-12	AdultEd, Alt	3493 Beveridge Rd # G		Flint	MI	48532
5	Carman Park-Baker Career Academy	9-12	GenEd	3375 Van Campen Rd		Flint	MI	48507
6	Carman-Ainsworth High School	8-12	Alt, GenEd, SpecEd	1300 NORTH LINDEN RD		FLINT	MI	485322341
7	Carman-Ainsworth Middle School	6-8	Alt, GenEd, SpecEd	1409 WEST MAPLE AVE		FLINT	MI	485075613
8	Flint Boy's and Girl's Preparatory Academy			1185 E Foss Ave		Flint	MI	485052324
9	Fr. Luke M. Powers High School	9-12	GenEd	1505 W Court St		Flint	MI	485035002
10	Genesee Career Institute	11-12	GenEd	5081 Torrey Rd		Flint	MI	485075999
11	Genesee Early College	9-12	Alt, GenEd, SchlChoice	2413 W Maple Ave		Flint	MI	48507
12	Hamady Community High School	9-12	Alt, GenEd, SpecEd	3223 WEST CARPENTER RD # G		FLINT	MI	485041247
13	Hamady Middle School	7-8	Alt, GenEd, SpecEd	3223 WEST CARPENTER RD # G		FLINT	MI	485041247
14	Kearsley High School	9-12	GenEd,Alt	4302 UNDERHILL DR # G		FLINT	MI	485061534
15	Mott Middle College High School	9-12	Alt, GenEd	1401 EAST COURT ST		FLINT	MI	485036208
16	Northwestern High School	9-12	21CCL, Alt, GenEd, SpecEd	G2138 WEST CARPENTER RD		FLINT	MI	485051977
17	Southwestern Classical Academy	7-12	Alt, GenEd	1420 WEST 12TH ST		FLINT	MI	485071425
18	WAY Academy - Flint, Flint Campus	7-12	Alt	817 E Kearsley St		Flint	MI	485032076

	A	B	C	D	E	F	G	H
1	Mott Community College			1401 E Court St		Flint	MI	485032089
2	Gateway to College-Mott Community College	9-12	Alt,AdultEd	1401 E Court St		Flint	MI	485032089

	A	B	C	D	E	F	G	H
1	Beecher Adult Education Center		AdultEd	1020 W. Coldwater Road		Flint	MI	485054831
2	Carman-Ainsworth Service Center			G3475 WEST COURT ST		FLINT	MI	485324742
3	Carman-Ainsworth Transportation Building			1409 WEST MAPLE AVE		FLINT	MI	485075613
4	Coates Administration Center			G5285 SUMMIT ST		FLINT	MI	485051328
5	Flint Institute of Music			1025 EAST KEARSLEY ST		FLINT	MI	485031922
6	Genesee County Community Action Resource Department			719 HARRISON ST		FLINT	MI	485021613
7	Genesee County Jail	9-12	AdultEd, Alt, Locked	1002 S. Saginaw		Flint	MI	485021499
8	Genesee ISD Transition Center		SpecEd,SpecEdCtPr	3136 SOUTH LINDEN RD		FLINT	MI	485073004
9	Genesee Valley Regional Center			4287 WEST PASADENA AVE		FLINT	MI	485042342
10	Genesee Valley Regional Center	5-12	Alt,JuvDtn	4287 W. Pasadena Ave.		Flint	MI	485042342
11	Health, Safety and Nutrition Services		BSAS, FamResCtr, PK	5075 Pilgrim Rd		Flint	MI	485073909
12	Michigan Crossroads Council, Inc., Boy Scouts of America			507 W Atherton Rd		Flint	MI	48507
13	Michigan Organization on Adolescent Sexual Health			2015 Gold Ave		Flint	MI	485032133
14	Michigan School for the Deaf and Blind			1235 W Court St		Flint	MI	485035015
15	SHELTER OF FLINT INC			924 Cedar Street		Flint	MI	485033620
16	TALL PINE COUNCIL			BOY SCOUTS OF AMERICA	507 W ATHERTON ROAD	FLINT	MI	48507

	A	B	C	D	E	F	G	H
1	Alpha Montessori School			310 E 3rd St		Flint	MI	485021711
2	Alutiiq Professional Services, LLC			2400 N. Saginaw St.		Flint	MI	48505
3	Connexion, Incorporated			1110 ELDON BAKER DR		FLINT	MI	485071923
4	Eagles Nest Academy			5005 Cloverlawn Dr		Flint	MI	485042084
5	Genesee Area Focus Fund, Inc.			519 S Saginaw St		Flint	MI	485021815
6	Lifetime Learning Incorporated			1726 Laurel Oak		Flint	MI	485072211
7	Living Word Ministry Enrichment			2001 W Carpenter Rd		Flint	MI	50479
8	Michigan School for the Deaf and Blind			1235 W Court St		Flint	MI	485035015
9	Motherly Intercession			817 E Kearsley St		Flint	MI	485032076

From: Krisztian, George (DEQ)
Sent: Thursday, October 15, 2015 10:23 AM
To: Mead-O'Brien, Beth (DEQ)
Subject: RE: Laboratory Director

Thank you Beth!

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

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

From: Mead-O'Brien, Beth (DEQ)
Sent: Thursday, October 15, 2015 10:13 AM
To: Krisztian, George (DEQ)
Subject: RE: Laboratory Director

Congratulations George! I wish you well with this endeavor. It will be in good hands, as will be your lab.
Beth

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

From: Leeming, Susan (DEQ)
Sent: Tuesday, October 13, 2015 3:19 PM
To: DEQ-RRD-All
Cc: Sygo, Jim (DEQ); Shekter Smith, Liane (DEQ); Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ); Graham, Lois (DEQ); Benzie, Richard (DEQ)
Subject: Laboratory Director

As you are all aware, the City of Flint as well as the DEQ have been in the news lately with respect to drinking water and lead concerns. Director Wyant and the DEQ are taking a number of steps to resolve those concerns, including analyzing drinking water samples from the schools and residences. Director Wyant has temporarily assigned George Krisztian to the Executive Division to provide assistance in working with the many partners and stakeholders to address these issues. George's experiences, knowledge and skill set will be a great asset to the DEQ team in this endeavor.

The time frame for this temporary assignment is uncertain at this point, however Carol Smith and Kirby Shane will alternate as Acting Director at the Laboratory in the interim. Please note that the Laboratory staff will be processing a very large number of drinking water samples during this period. We may also need to provide support in other ways (administrative, data entry, etc.) to our co-workers at the Laboratory as well.

Your support, understanding and patience are greatly appreciated as you interact with the RRD Laboratory staff. Our Laboratory provides outstanding customer service, excellent turn around times, and high quality results that will be used to evaluate the situation and make critical decisions. We are proud that we are a part of the team!

Thank you - please contact me if you have any questions, or feel free to work directly with Carol and Kirby.

Sue Leeming, Assistant Division Chief
Remediation and Redevelopment Division

PPI

Sent from my iPad

From: Krisztian, George (DEQ)
Sent: Thursday, October 15, 2015 1:23 PM
To: Henry, James
Subject: RE: water testing update-county buildings

Hi Jim,

Thank you for the follow up information. If the topic should come up (which it likely will) are you comfortable with me sharing the photo and/or Mark's statement? I plan to answer the question directly and simply stick with facts, I just want to anticipate any follow up questions.

Thank you
George

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

From: Henry, James [mailto:jhenry@gchd.us]
Sent: Thursday, October 15, 2015 1:14 PM
To: Krisztian, George (DEQ)
Subject: FW: water testing update-county buildings

George,

Thanks for calling. The resample result and photo of the aerator debris is attached. Below is the Mark's statement regarding the County Buildings. Jessica ABC may prefer to talk with you, since you are independent from the county and Mark is ok with that.

Jim
Jim Henry RS, MBA
Environmental Health Supervisor
Genesee County Health Department www.gchd.us
630 S. Saginaw St., Suite 4
Flint, MI 48502-1540
Phone (810) 257-3618 Fax (810) 257-3125
E-mail jhenry@gchd.us



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From: Care, Jon [<mailto:JCare@co.genesee.mi.us>]
Sent: Monday, October 12, 2015 2:48 PM
To: All Mail Users; GCHD-Everyone; GCParks
Subject: water testing update-county buildings



Genesee County

Mark Valacak
Gary K. Johnson

MEMORANDUM

TO: All County Staff

FROM: Mark Valacak, Manager

DATE: October 9, 2015

SUBJECT: Lead Sampling in Schools

In an effort to assure the safety of the children in the county, the Health Department is in the process of sampling for lead in the water supply of the schools.

Jon Care
Genesee County Board and Criminal Justice Coordinator
1101 Beach St, Flint, MI 48502
810.257.5927





Genesee County Health Department

Mark Valacak, M.P.H., Health Officer
 Gary K. Johnson, M.D., M.P.H., Medical Director

MEMORANDUM

TO: All County Staff
FROM: Mark Valacak, MPH
DATE: October 9, 2015
SUBJECT: Lead Sampling Information

In an effort to assure the safety of the water in all county buildings, the Building and Grounds Department is in the process of sampling all county owned buildings that receive Flint City water. The water is being tested by labs that are certified to do lead analysis in drinking water. To be considered safe the water cannot exceed the EPA lead standard which is 0.015 mg/L. Results are back for the following buildings and test results indicate that the water meets the EPA safe drinking water standard.

Motor Pool, 914 Harrison Street

Genesee County Jail

McCree Courts and Human Services Building, 630 S. Saginaw Street

Circuit Court, 900 S. Saginaw Street

Normal water use in these buildings can resume. Additional sampling is underway in other county buildings and will be reported out when the results are in. Building and Grounds Department will be opening closed drinking fountains and faucets in buildings as we receive results that indicate the lead level is in compliance with the EPA guidelines for drinking water consumption.

Thank you.

R:\Groups\Admin\Medical Director & Coord\Mark\Memo\staff lead information 10-9-15.doc

Better Life Through Better Health

Floyd J. McCree Courts & Human Services Building ♦ 630 S. Saginaw Street, Ste. 4 ♦ Flint, Michigan 48502-1540

Burton Branch ♦ 63373 S. Saginaw Street ♦ Burton, Michigan 48529

Main Phone 810-257-3612 ♦ Visit us at: www.gchd.us

From: Krisztian, George (DEQ)
Sent: Thursday, October 15, 2015 2:04 PM
To: Henry, James
Subject: RE: water testing update-county buildings

Hi Jim,

Check your voice mail.

George

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

From: Henry, James [<mailto:jhenry@gchd.us>]
Sent: Thursday, October 15, 2015 1:14 PM
To: Krisztian, George (DEQ)
Subject: FW: water testing update-county buildings

George,

Thanks for calling. The resample result and photo of the aerator debris is attached. Below is the Mark's statement regarding the County Buildings. Jessica ABC may prefer to talk with you, since you are independent form the county and Mark is ok with that.

Jim
 Jim Henry RS, MBA
 Environmental Health Supervisor
 Genesee County Health Department www.gchd.us
 630 S. Saginaw St., Suite 4
 Flint, MI 48502-1540
 Phone (810) 257-3618 Fax (810) 257-3125
 E-mail jhenry@gchd.us



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Mark Valacak
Gary K. Johnson

MEMORANDUM

TO: All County Staff

FROM: Mark Valacak, Manager

DATE: October 9, 2015

SUBJECT: Lead Sampling in Schools

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Jon Care
Genesee County Board and Criminal Justice Coordinator
1101 Beach St, Flint, MI 48502
810.257.5927





Genesee County Health Department

Mark Valacak, M.P.H., Health Officer
 Gary K. Johnson, M.D., M.P.H., Medical Director

MEMORANDUM

TO: All County Staff
FROM: Mark Valacak, MPH
DATE: October 9, 2015
SUBJECT: Lead Sampling Information

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Thank you.

R:\Groups\Admin\Medical Director & Coord\Mark\Memo\staff lead information 10-9-15.doc

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Burton Branch ♦ 63373 S. Saginaw Street ♦ Burton, Michigan 48529

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From: Krisztian, George (DEQ)
Sent: Thursday, October 15, 2015 4:05 PM
To: Michael Glasgow
Cc: Howard Croft;Natasha Henderson;Sygo, Jim (DEQ);Smith, Carol (DEQ);Pieper, Julia (DEQ)
Subject: Preliminary and Deliberative: Sample Questions

Hi Mike,

I have a question and a request for you.

First, is it the City's intent to continue to send homeowner samples to the Lab in batches? This is working exceptionally well and makes it much easier for the Lab to process Flint's homeowner samples. If possible I would like to maintain this practice until the homeowner testing program is complete. You guys are doing a great job on this!

The second item is more of a clarification. Businesses that wish to get their water tested should be directed to contact the DEQ Lab at (517) 335-8184. These businesses should get their sampling kits directly from the Lab and they will be responsible for the payment of these samples.

Please let me know if you have any questions or concerns regarding these two items. I'll be there in Flint tomorrow so if needed, I can also discuss this with you in person.

Thank you!
George

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

From: Krisztian, George (DEQ)
Sent: Friday, October 16, 2015 1:57 PM
To: Tommasulo, Karen (DEQ)
Subject: Fwd: George Krisztian, Lab Director DEQ / Flint Schools

Sent from my iPad

Begin forwarded message:

From: "Henry, James" <jhenry@gchd.us>
Date: October 14, 2015 at 7:05:17 PM EDT
To: "Miller, Mark (DHHS)" <millerm1@michigan.gov>, "Krisztian, George (DEQ)" <krisztianz@michigan.gov>
Cc: <MVALACAK@gchd.us>
Subject: George Krisztian, Lab Director DEQ / Flint Schools

I appreciate the urgency and I'll be back in touch in the morning. I'm hesitant to commit GCHD resources and I want to discuss this further with Mark Valacak.

On several occasions GCHD has experienced lack of cooperation to the point of hindrance from state agencies relative to Flint water investigations. We need a better partnership. I acknowledge that our roles are different. Also, that resources and politics have influence on public health, but this is unacceptable. I apologize that my comments may be misdirected.

Respectfully,
 Jim

Jim Henry RS, MBA
 Environmental Health Supervisor
 Genesee County Health Department www.gchd.us
 630 S. Saginaw St., Suite 4
 Flint, MI 48502-1540
 Phone (810) 257-3618 Fax (810) 257-3125
 E-mail jhenry@gchd.us



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From: Miller, Mark (DHHS) [<mailto:millerm1@michigan.gov>]
Sent: Wednesday, October 14, 2015 12:13 PM
To: Henry, James
Cc: Krisztian, George (DEQ)
Subject: George Krisztian, Lab Director DEQ

Jim, if you get a chance can you give George a holler to discuss further school testing? Mark V. said you'd be point on any further school testing.

He's at cell: PPI or krisztiang@michigan.gov

Thanks in advance.

Mark Miller
Director, Local Health Services
Michigan Department of Health & Human Services
201 Townsend, 6th Floor
Lansing MI 48913
(517) 335-8032
millerm1@michigan.gov



From: Krisztian, George (DEQ)
Sent: Saturday, October 17, 2015 2:50 PM
To: Shaler, Karen (DEQ)
Cc: Thelen, Mary Beth (DEQ); Sygo, Jim (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ); Devereaux, Tracy Jo (DEQ); Shekter Smith, Liane (DEQ); Tommasulo, Karen (DEQ)
Subject: RE: Preliminary and Deliberative: Not Subject to FOIA: Action Steps - Update

Karen,

Please see the e-mail below with edits by for inclusion in Monday's Governor's report.

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

From: Shekter Smith, Liane (DEQ)
Sent: Friday, October 16, 2015 5:43 PM
To: Krisztian, George (DEQ)
Cc: Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ); Sygo, Jim (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: FW: Preliminary and Deliberative: Not Subject to FOIA: Action Steps - Update

Please see Mike's updates below.

Liane J. Shekter Smith, P.E., Chief
 Office of Drinking Water and Municipal Assistance
 Michigan Department of Environmental Quality
 517-284-6543

From: Prysby, Mike (DEQ)
Sent: Friday, October 16, 2015 4:06 PM
To: Shekter Smith, Liane (DEQ)
Cc: Busch, Stephen (DEQ)
Subject: Preliminary and Deliberative: Not Subject to FOIA: Action Steps - Update

Liane,

Below is an update of the Action Steps assigned to me.

Action Step 6 – Flint pipeline is ready has been placed into service. Water From the Great Lakes Water Authority began flowing Friday afternoon October 16, 2015. (Karen, Please confirm that this is factual)

Action Step 18 - Contact KWA to identify any construction bottlenecks

No updates today – this Action Step will be carried over next week to continue working With KWA towards addressing the bottlenecks.

Action Step 19 – Expedite 399 Plan and Phosphate Plan

Corrosion control proposal received electronically from LAN this morning (without 399 application). Pat and I are reviewing the proposal and preparing comments. The proposal was forwarded to Darren Lytle and Michael Schock from EPA for their review with comments requested by Monday morning. Darren acknowledged receipt of the proposal. LAN is hand delivering a full sized set of the proposal along with a signed permit application later this afternoon.

Michael Prysby, P.E.

District Engineer

Office of Drinking Water and Municipal Assistance

517 290-8817

Action Step 20

The City of Flint provide information during the initial coordination meeting that approximately 25% of the index card conversion has taken place. The card have been given to the University of Michigan Flint for entry into GIS. The City has indicated that this is a slow process and they are looking at ways to speed up the process. This is a manually intensive process and they lack the resources to accomplish the task faster.

Action Step 21

The City of Flint will provide a link to the GIS mapping and Howard Croft gave a short presentation on how the use the GIS mapping program.

Additional Actions

George Krisztian and Keren Tommasulo represented the DEQ in the initial weekly coordination meeting with the City of Flint. Present were representatives from DEQ, LARA, DHHS and the City of Flint. Each partner provided a brief synopsis of what their respective group had done the past week and there was discussion on action steps for the following week. Additional discussion included presenting a unified message, creation of a homeowners sampling instructions work group, and inclusion of the Genesee County Health Department for the weekly coordination meetings.

George Krisztian, Karen Tommasulo and Liane Shekter Smith represented the DEQ in a meeting with the Flint Superintendent, Bilal Tawwab. Also present were representatives from LARA, DHHS, Principals from the first three schools that are going through the plumbing evaluation protocol as well as additional staff from the School District. The DEQ provided an overview of the protocol which includes a plumbing evaluation, subsequent sampling of all faucets and drinking fountains that are used for consumptive purposes, analysis of the samples, consolidation of the data and then review of the data from a health based exposure

perspective. There was also discussion that the GCHD would be asked to conduct the sampling so that we ensure all aspects the data is of the highest possible quality. There was also discussion of the need to ensure that the superintendent's office receive the data along with comments on the data before the data is made public. It was agreed that all partners (DEQ, LARA, DHHS, the Superintendent, City of Flint and GCHD) would all be provided the data along with context before the data was released to the public. It was also agreed that there needed to be coordination with respect to who would be releasing the data to the public.

George Krisztian, Karen Tommasulo and Liane Shekter Smith met with James Henry at the Genesee County Health Department. The purpose of the meeting was to:

- Invite GCHD to attend the weekly Coordination Meeting with the City of Flint

- Ask if GCHD would be willing to take the samples for the school plumbing evaluations

- Invite Mr. Henry to be part of the Home owner water sampling instructions work group

The GCHD provided positive response on all three subjects but did indicate that they would need funding to assist with the sampling. GCHD was asked to submit a request to the DEQ so that question of funding could be addressed formally

From: Krisztian, George (DEQ)
Sent: Monday, October 19, 2015 2:39 PM
To: Dykema, Linda D. (DHHS)
Cc: Peeler, Nancy (DHHS)
Subject: RE: Consistent communications with Flint residents

Thank you

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

From: Dykema, Linda D. (DHHS)
Sent: Monday, October 19, 2015 1:42 PM
To: Krisztian, George (DEQ)
Cc: Peeler, Nancy (DHHS)
Subject: Consistent communications with Flint residents

Hi George,

Nancy Peeler with our Childhood Lead Poisoning Prevention Program (CLPPP) will be contacting you regarding communications that will be going out to Flint residents regarding the availability of blood lead testing in the community. I asked that this contact be made to ensure that DEQ is aware of any communications coming from HHS and the Genesee County Health Department and to ensure that our messaging is consistent across our programs.

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: Krisztian, George (DEQ)
Sent: Monday, October 19, 2015 5:14 PM
To: Busch, Stephen (DEQ);Cook, Pat (DEQ);Prysby, Mike (DEQ);Pallone, Maggie (DEQ)
Cc: Sygo, Jim (DEQ);Shekter Smith, Liane (DEQ)
Subject: Action Items table for the week of October 19th
Attachments: 2015-10-19 Action Steps Week of October 19-23.pdf

Importance: High

Attached are the action steps for this week.

George

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

City of Flint Water Action Steps for Week of October 19-23

Step No.	Action Step	Involved Parties	DEQ Point(s) of Contact	Status
1.	Update 2004 letter to EPA	DEQ	Dana DeBruyn	
2.	Schedule Flint Water Treatment Plant tour	DEQ and Flint	George Krisztian	To be scheduled for week of 10/19/15; waiting on confirmation from Flint
3.	Figure out number of samples from schools and child care facilities	DEQ	Jim Sygo Pat Cook Steve Busch	
4.	Conduct After Action Plan	DEQ	George Krisztian	Initial meeting to be scheduled for week of 10/19/15
5.	Introduce legislative changes to Part 54 of NREPA – Drinking Water Revolving Loan Fund	DEQ, Treasury, and EPA	Maggie Pallone George Krisztian Sonya Butler	
6.	After Action Review Panel	DEQ	Madhu Anderson George Krisztian Karen Tommasulo	
7.	Staff hiring plan	DEQ	Jim Sygo Maggie Pallone George Krisztian	
8.	\$1 million for DEQ Laboratory billing code	DEQ	Maggie Pallone George Krisztian	
9.	Finalize fiscal year 2017 budget request	DEQ	Maggie Pallone George Krisztian	

Step No.	Action Step	Involved Parties	DEQ Point(s) of Contact	Status
10.	Develop letter to schools	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
11.	Finalize sampling protocol	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
12.	Confirm school sampling logistics	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
13.	Meeting(s) with school staff/management	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
14.	Complete Non-Transient Non-Community Water Supply letter	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
15.	Meet with DHHS and discuss all lead education material for schools	DEQ and DHHS	Jim Sygo Steve Busch Pat Cook Mike Prysby	
16.	ODWMA staff observe a DLARA plumbing assessment	DEQ and DLARA	Jim Sygo Steve Busch Pat Cook Mike Prysby	

Step No.	Action Step	Involved Parties	DEQ Point(s) of Contact	Status
17.	Develop sample form and chain of custody document	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
18.	Provide Director Wyant with revised Part 54 language	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
19.	Review corrosion control treatment plan and get any EPA comments	DEQ and EPA	Jim Sygo Steve Busch Pat Cook Mike Prysby	
20.	Review construction permit application and issue construction permit for phosphate equipment	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
21.	Review Standby Operation of Flint Water Treatment Plant with city of Flint	DEQ and Flint	Jim Sygo Steve Busch Pat Cook Mike Prysby	
22.	Provide city of Flint updated monitoring schedule based on Detroit Water and Sewerage Department (DWSD)/Great Lakes Water Authority (GLWA) service	DEQ and Flint	Jim Sygo Steve Busch Pat Cook Mike Prysby	
23.	Contact city of Flint and Genesee County daily for DWSD connection status updates	DEQ, Flint, and Genesee County	Jim Sygo Steve Busch Pat Cook Mike Prysby	

Step No.	Action Step	Involved Parties	DEQ Point(s) of Contact	Status
24.	Work with Karegnondi Water Authority (KWA) and other agencies to address bottleneck issues	DEQ and KWA	Jim Sygo Steve Busch Pat Cook Mike Prysby	
25.	Verify city of Flint distribution operations under DWSD/GLWA service	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
26.	Contact city of Flint for Service Line Record status update and obtain a copy of the records to date	DEQ and Flint	Jim Sygo Steve Busch Pat Cook Mike Prysby	
27.	Provide DHHS with any available cross-reference information	DEQ and DHHS	Jim Sygo Steve Busch Pat Cook Mike Prysby	
28.	Develop childcare facility guidance or review DHHS related materials	DEQ and DHHS	Jim Sygo Steve Busch Pat Cook Mike Prysby	

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 7:40 AM
To: Edgerton, Shelly (LARA); Dykema, Linda D. (DHHS)
Subject: FW: DRAFT DELIBERATIVE. Working Draft - School Sampling Protocol
Attachments: Working Draft - Collecting Water Samples at Schools 10_19_15.docx
Importance: High

Linda and Shelly,

Let's discuss this document at today's meeting as well.

Thank you!
George

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

From: Shekter Smith, Liane (DEQ)
Sent: Monday, October 19, 2015 4:55 PM
To: Poy, Thomas; Dykema, Linda D. (DHHS); Madziar, Joseph (LARA); jhenry@gchd.us
Cc: Krisztian, George (DEQ); Sygo, Jim (DEQ); Busch, Stephen (DEQ); Cook, Pat (DEQ); Prysby, Mike (DEQ)
Subject: DRAFT DELIBERATIVE. Working Draft - School Sampling Protocol

Please see attached.

Your comments by COB Tuesday (tomorrow) would be appreciated. Sooner would be better!

Liane

DRAFT – WORK IN PROGRESS
 Protocol for Collecting Water Samples at Schools for Lead Analysis

The following is a step-by-step procedure to ensure samples are collected in a systematic, consistent manner to provide meaningful results. By following the below procedures school and health officials will have information to be able to identify and correct sources that contribute lead into drinking water. The recommended procedures are:

- With the assistance from Department of Licensing and Regulatory Affairs (LARA) staff, conduct an on-site assessment of the building plumbing to identify plumbing components of concern and prioritize sample sites.
- Genesee County Health Department staff collects the samples from prioritized sites and in the sequence recommended by LARA.
- Genesee County Health Department staff submits the samples and appropriate paperwork to the DEQ certified drinking water laboratory
- Laboratory performs analysis and informs DEQ-ODWMA staff of the results.
- DEQ informs DHHS of test results, and they jointly interpret the results.
- DHHS staff relays the results to school officials and confers on any follow-up or corrective remedies that may be needed.

Step 1 – Prepare for On-Site Assessment

In order to assist LARA staff to identify and prioritize sample sites, school staff should compile, collect, and review any records pertaining to the building plumbing. This includes building permits, plumbing permits, as built plans, and information about the service line and all potable water pipes, fixtures and appurtenances within the building. At a minimum, a diagram of each floor layout should be provided. In addition, answers to the following questions will help streamline the on-site assessment process.

- When was the facility built?
- Have new buildings or additions been added? If so, when were they added? If built since 1986, were lead-free plumbing and solder used?
- When were the most recent plumbing repairs made and where were they located?
- What are the potable water pipes in your facility made of and what is their location? Options include: lead, brass, copper, plastic, galvanized metal and other materials. What materials were used to solder the potable water pipes in your system? Are brass taps, fittings or valves used? Note the locations.
- How many of the following outlets provide water for consumption: Bubblers, ice makers, water coolers and kitchen taps. Note their location. Include taps that might be used for making coffee or preparing formula.
- What brands and models of water coolers (cooled drinking fountains) provide water in your facility and what is their location?
- Do faucets have accessible screens and have they been cleaned?
- Can you detect any signs of corrosion, such as leaks, rust-colored water or stains?
- Is any electrical equipment grounded to water pipes?

- Are there any records of previous water testing?

Step 1 – Arrange for On-site Assessment with LARA Staff

LARA staff will contact school officials/staff and set a date and time for the assessment. A school representative familiar with the building layout and plumbing system should accompany LARA staff as they conduct the assessment. A room reserved for records review should also be available.

Step 3 – Prioritize Sample Sites and Sampling Sequence

It is recommended that all faucets, taps and outlets that are used regularly by students and staff for drinking, cooking, making coffee or food preparation will be sampled. High priority sites would include:

- Drinking Fountains (both bubblers and water cooler style).
- Kitchen Sinks, faucets or taps.
- Breakroom, classroom, teachers' lounge or other sinks known to be or visibly used for consumption (water glasses or coffeemaker and/or cups are nearby).

LARA staff will assign a sample site Identification (ID) number for each sample site and the order in which each site is to be sampled. This number will reflect the type of tap/outlet and location. Sites closest to the service line are to be collected first, then in a sequence as they get farther from the service line until the site the farthest away is sampled last. This will minimize the chance that the piping is not flushed by a downstream or other sample location prior to collecting the samples at that site.

LARA staff will also identify any water coolers that should have been removed under the Lead Contamination Control Act (LCCA) in 1988. The LCCA mandated the repair, replacement or recall and refund of drinking water coolers with lead-lined water tanks. LARA staff will confirm that there are no recalled water coolers on-site. Any coolers that should have been removed will be marked for removal or replacement.

Step 4 - Labelling the Sample Sites and Preparing Labels for the Bottles

Coding Scheme for Water Outlets

A drinking water bubbler (DW) on the 2nd floor (02) of the middle school (MID), the 15th outlet counted, might be coded as follows.

- MID- 02- DW-015
- DW= drinking water bubbler
- WC = water cooler (chiller unit)
- CF = classroom faucet
- KC = kitchen faucet, cold
- KH = kitchen faucet, hot
- EC = home economics room, cold
- EH = home economics room sink, hot
- BF = bathroom faucet
- NS = nurse's office sink
- SC = service connector

In addition to the unique outlet code, a unique sample identifier is necessary since more than one sample will be taken from an outlet. A flush sample would also require a unique identifier. The first draw (P), flush (F1) and flush (F2) samples taken for the above outlet would be MID-02- DW-015-P-01, MID- 02- DW-015-F-01 and MID-02-DW-015-F-02.

- P = primary (first draw) sample
- F = flush
- 01 = first flush sample at 30 seconds
- 02 = second flush sample at 2 minutes

Step 5 – Prior to Sample Collection

Once LARA staff has labelled each outlet, school personnel should ensure that the labels are maintained. Even after the initial sampling, it will be important to keep a record of each tap designation so that any future or follow-up sampling can be correlated to the correct outlet.

Also, since drinking water has not been consumed from taps within the school buildings for several weeks, it is important to flush the taps the afternoon prior to the day of sampling. That is, after school is out for the day, school personnel should run each tap for several minutes to clear the faucet.

Step 6 – Collect the Samples

After the sites and order of collection have been determined by LARA staff, and the taps flushed by school personnel, samples can be collected by Genesee County Health Department staff. In addition, make sure to inform all other staff including teachers, maintenance staff, parents and students of the sampling plans and for the need to not use any of the outlets or water in the building the morning of sampling. Samples must be collected before school opens in the morning. Use of bathrooms, etc. would draw fresh water through the piping system and alter the effects of stagnation.

Each outlet should be labelled and posted “**DO NOT USE**” so that no water is used before sampling occurs. The sample sequence will be determined by LARA so that sampling will occur closest to the water main/service line provided by the city.

Sampling containers will be provided to Genesee County Health Department staff from the Michigan Department of Environmental Quality Drinking Water Laboratory.

1. Three samples will be collected from each designated sample site. There will be three 125 milliliter (ml) samples collected at each outlet. Sample units for this evaluation/survey will be designated 32CC.
2. Collect all water samples before any water is used. Ideally, the water should sit in the pipes unused for at least 8 hours but not more than 18 hours before a sample is collected.
3. Samples should not be collected the morning after a vacation, weekend or holiday. These results will not be representative because of the extended contact time with the water
4. The three samples from each site are to be collected at first draw, after a 30 second flush, and a 2 minute flush as follows:
 - a. After the appropriate 8 – 18 hour stagnation time, place the first bottle under the tap, open the tap to produce a slow, steady “pencil thin” flow and fill the bottle to the appropriate level.
 - b. Turn off tap. Cap, label bottle, and record sample information on sample recordkeeping/chain of custody form.
 - c. Turn on tap as before and after 30 seconds, fill the second bottle.

- d. Turn off tap. Cap, label bottle, and record sample information on sample recordkeeping/chain of custody form.
 - e. Turn on tap as before and after 2 minutes, fill the third bottle.
 - f. Turn off tap. Cap, label bottle, and record sample information on sample recordkeeping/chain of custody form.
5. Make sure to mark the bottles as "first draw", "30 sec flush" or "2 min flush" and also indicate this information on the sample submission form.
 6. Assign an appropriate sample Identification (ID) number to each sample collected. Record this number (including the flush time) on the sample container and submission form.
 7. Collect the remainder of the samples from all designated sites in the pre-determined order as recommended by LARA.
 8. Deliver or ship the samples to the lab as instructed.

How to Collect an Initial (First Draw) Sample

- Make sure you have clean hands.
- Complete the sample recording form.
- Only use containers (125 ml) supplied by the DEQ laboratory.
- Containers should not be opened until you are ready to collect the sample.
- Sampling containers that have been compromised in any way, e.g., by being touched on the threads or the interior surfaces, must not be used.
- Keep food and drink away from the sample and its container.
- Make sure no water has been withdrawn from the tap or water fountain before you collect the sample.
- Place the container under the faucet or drinking water fountain that is being tested and collect 125 ml of water.
- If a faucet is being tested make sure you turn on the cold water tap.
- Turn on the water and fill the container without allowing any water to run down the drain.
- Close the container according to the instructions from your certified lab.
- Make sure the container is labeled with the same information from your sample recording form.
- Prepare the container for shipping according to the DEQ lab's instructions.
- Samples must be delivered to the lab within 14 days of collection for proper testing.

How to Collect Flush Samples

Before the first flush sample is collected, allow the water to run down the drain for 30 seconds. Then collect a sample using the same protocol as above.

Before the second flush sample is collected, allow the water to run down the drain for 2 minutes. Then collect a sample using the same protocol as above.

Step 6 - Laboratory performs analysis

Samples delivered to the DEQ Drinking Water Laboratory will be analyzed in accordance with the Laboratory Services Standard Operating Procedure Document SOP #800 Revision #4 Effective Date 10/2015.

Applicable analytical methods will be in accordance with Method for Determination of Metals in Environmental Samples, Supplement I, U.S. Environmental Protection Agency, Method 200.8, 1999 Revision 5.5.

All Method Detection Limits shall be performed according to the Code of Federal Regulations 40 CFR, Part 136, Appendix B.

Analytical quality control will be in accordance with SOP #800 Revision #4.

Step 7 – Laboratory reports results to DEQ – ODWMA and DHHS staff

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 8:36 AM
To: Sygo, Jim (DEQ)
Subject: FW: Information for this morning's meeting
Attachments: Flint Home Owner Results through October 19, 2015.xlsx

Importance: High

Jim,

Please take a look at this spread sheet and then I would like to briefly discuss it with you.

Thank you
George

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

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 7:27 AM
To: Edgerton, Shelly (LARA); Dykema, Linda D. (DHHS)
Subject: Information for this morning's meeting
Importance: High

Linda and Shelly,

The attached spread sheet consolidates the lead results for homeowners who have submitted samples through the free testing program. These results contain everything analyzed through October 19, 2015.

There are two tabs. The first one sorts the data by concentration from lowest to highest for the dataset as a whole. The second tab sorts the data first by zip code and then by concentration. I deliberately excluded the address so as to protect individuals' privacy but it can easily be put back in if it is deemed necessary.

Let's discuss this briefly this morning and then I would like to send it out to the Friday Coordination group.

Thank you
George

George L. Krisztian
Flint Action Plan Coordinator

Laboratory Director
Michigan Department of Environmental Quality
Desk ph (517) 284-6719
Cell ph PPI

	A	B	C	D	E	F
1	SAMPNO	Contact	Submittal Date	ACODE	RESULT	Zip Code
2	LF84899	MIKE GLASGOW	25-Sep-15	PB	Not detected	48503
3	LF85797	MIKE GLASGOW	01-Oct-15	PB	Not detected	48506
4	LF85802	MIKE GLASGOW	01-Oct-15	PB	Not detected	48507
5	LF85954	MIKE GLASGOW	02-Oct-15	PB	Not detected	48503
6	LF87012	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
7	LF87022	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
8	LF87023	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
9	LF87030	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
10	LF87032	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
11	LF87037	MIKE GLASGOW	08-Oct-15	PB	Not detected	48504
12	LF87050	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
13	LF87051	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
14	LF87054	MIKE GLASGOW	08-Oct-15	PB	Not detected	48504
15	LF87061	MIKE GLASGOW	08-Oct-15	PB	Not detected	48532
16	LF87064	MIKE GLASGOW	08-Oct-15	PB	Not detected	
17	LF87369	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506
18	LF87370	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506
19	LF87372	MIKE GLASGOW	13-Oct-15	PB	Not detected	48505
20	LF87383	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
21	LF87392	MIKE GLASGOW	13-Oct-15	PB	Not detected	

	A	B	C	D	E	F
22	LF87394	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
23	LF87395	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
24	LF87397	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506
25	LF87415	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
26	LF87423	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
27	LF87431	MIKE GLASGOW	13-Oct-15	PB	Not detected	48507
28	LF87434	MIKE GLASGOW	13-Oct-15	PB	Not detected	48505
29	LF87927	MIKE GLASGOW	16-Oct-15	PB	Not detected	48503
30	LF87932	MIKE GLASGOW	16-Oct-15	PB	Not detected	48503
31	LF87946	MIKE GLASGOW	16-Oct-15	PB	Not detected	
32	LF85330	MIKE GLASGOW	29-Sep-15	PB	Not detected	48503
33	LF85613	MIKE GLASGOW	30-Sep-15	PB	Not detected	48507
34	LF85796	MIKE GLASGOW	01-Oct-15	PB	Not detected	48504
35	LF85799	MIKE GLASGOW	01-Oct-15	PB	Not detected	48506
36	LF85862	MIKE GLASGOW	01-Oct-15	PB	Not detected	48503
37	LF87007	MIKE GLASGOW	08-Oct-15	PB	Not detected	
38	LF87031	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
39	LF87045	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
40	LF87378	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
41	LF87379	MIKE GLASGOW	13-Oct-15	PB	Not detected	
42	LF87405	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503

	A	B	C	D	E	F
43	LF87418	MIKE GLASGOW	13-Oct-15	PB	Not detected	48505
44	LF87432	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
45	LF87938	MIKE GLASGOW	16-Oct-15	PB	Not detected	48506
46	LF87942	MIKE GLASGOW	16-Oct-15	PB	Not detected	48507
47	LF85936	MIKE GLASGOW	02-Oct-15	PB	Not detected	48504
48	LF87035	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
49	LF87419	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
50	LF85604	MIKE GLASGOW	30-Sep-15	PB	Not detected	48503
51	LF85931	MIKE GLASGOW	02-Oct-15	PB	Not detected	48504
52	LF85933	MIKE GLASGOW	02-Oct-15	PB	Not detected	48506
53	LF85945	MIKE GLASGOW	02-Oct-15	PB	Not detected	48532
54	LF85947	MIKE GLASGOW	02-Oct-15	PB	Not detected	48532
55	LF85957	MIKE GLASGOW	02-Oct-15	PB	Not detected	48503
56	LF85960	MIKE GLASGOW	02-Oct-15	PB	Not detected	48503
57	LF87024	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
58	LF87025	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
59	LF87029	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
60	LF87033	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
61	LF87365	MIKE GLASGOW	13-Oct-15	PB	Not detected	48502
62	LF87386	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
63	LF87398	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506

	A	B	C	D	E	F
64	LF87428	MIKE GLASGOW	13-Oct-15	PB	Not detected	
65	LF87929	MIKE GLASGOW	16-Oct-15	PB	Not detected	48504
66	LF87047	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
67	LF84317	MIKE GLASGOW	23-Sep-15	PB	0.001	48503
68	LF85942	MIKE GLASGOW	02-Oct-15	PB	0.001	48507
69	LF87013	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
70	LF87016	MIKE GLASGOW	08-Oct-15	PB	0.001	48503
71	LF87044	MIKE GLASGOW	08-Oct-15	PB	0.001	48507
72	LF87053	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
73	LF87382	MIKE GLASGOW	13-Oct-15	PB	0.001	48502
74	LF87384	MIKE GLASGOW	13-Oct-15	PB	0.001	48505
75	LF87411	MIKE GLASGOW	13-Oct-15	PB	0.001	48505
76	LF87417	MIKE GLASGOW	13-Oct-15	PB	0.001	48504
77	LF82709	MIKE GLASGOW	15-Sep-15	PB	0.001	48503
78	LF85608	MIKE GLASGOW	30-Sep-15	PB	0.001	48502
79	LF85800	MIKE GLASGOW	01-Oct-15	PB	0.001	48505
80	LF85937	MIKE GLASGOW	02-Oct-15	PB	0.001	48506
81	LF85951	MIKE GLASGOW	02-Oct-15	PB	0.001	48503
82	LF87028	MIKE GLASGOW	08-Oct-15	PB	0.001	48503
83	LF87380	MIKE GLASGOW	13-Oct-15	PB	0.001	48506
84	LF87424	MIKE GLASGOW	13-Oct-15	PB	0.001	48503
85	LF87427	MIKE GLASGOW	13-Oct-15	PB	0.001	
86	LF87433	MIKE GLASGOW	13-Oct-15	PB	0.001	
87	LF87930	MIKE GLASGOW	16-Oct-15	PB	0.001	48507
88	LF85939	MIKE GLASGOW	02-Oct-15	PB	0.001	48504
89	LF84896	MIKE GLASGOW	25-Sep-15	PB	0.001	48505
90	LF85934	MIKE GLASGOW	02-Oct-15	PB	0.001	48503
91	LF85959	MIKE GLASGOW	02-Oct-15	PB	0.001	48507
92	LF87015	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
93	LF87367	MIKE GLASGOW	13-Oct-15	PB	0.001	48503
94	LF85605	MIKE GLASGOW	30-Sep-15	PB	0.001	48503
95	LF87046	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
96	LF84313	MIKE GLASGOW	23-Sep-15	PB	0.002	48503
97	LF85606	MIKE GLASGOW	30-Sep-15	PB	0.002	48504
98	LF85795	MIKE GLASGOW	01-Oct-15	PB	0.002	48504
99	LF87026	MIKE GLASGOW	08-Oct-15	PB	0.002	48503
100	LF87027	MIKE GLASGOW	08-Oct-15	PB	0.002	48503
101	LF87059	MIKE GLASGOW	08-Oct-15	PB	0.002	48503
102	LF87368	MIKE GLASGOW	13-Oct-15	PB	0.002	48503

	A	B	C	D	E	F
103	LF87391	MIKE GLASGOW	13-Oct-15	PB	0.002	48507
104	LF87404	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
105	LF87420	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
106	LF81254	MIKE GLASGOW	03-Sep-15	PB	0.002	48503
107	LF84900	MIKE GLASGOW	25-Sep-15	PB	0.002	
108	LF85601	MIKE GLASGOW	30-Sep-15	PB	0.002	48503
109	LF85612	MIKE GLASGOW	30-Sep-15	PB	0.002	48507
110	LF85858	MIKE GLASGOW	01-Oct-15	PB	0.002	48503
111	LF85861	MIKE GLASGOW	01-Oct-15	PB	0.002	48504
112	LF85950	MIKE GLASGOW	02-Oct-15	PB	0.002	48503
113	LF85958	MIKE GLASGOW	02-Oct-15	PB	0.002	48502
114	LF87020	MIKE GLASGOW	08-Oct-15	PB	0.002	48504
115	LF87376	MIKE GLASGOW	13-Oct-15	PB	0.002	48504
116	LF87410	MIKE GLASGOW	13-Oct-15	PB	0.002	48503
117	LF87413	MIKE GLASGOW	13-Oct-15	PB	0.002	48507
118	LF87422	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
119	LF87935	MIKE GLASGOW	16-Oct-15	PB	0.002	48503
120	LF87063	MIKE GLASGOW	08-Oct-15	PB	0.002	48502
121	LF87944	MIKE GLASGOW	16-Oct-15	PB	0.002	48502
122	LF82707	MIKE GLASGOW	15-Sep-15	PB	0.002	48504
123	LF85291	MIKE GLASGOW	29-Sep-15	PB	0.002	48506
124	LF85610	MIKE GLASGOW	30-Sep-15	PB	0.002	48507
125	LF85932	MIKE GLASGOW	02-Oct-15	PB	0.002	48503
126	LF87049	MIKE GLASGOW	08-Oct-15	PB	0.002	48507
127	LF87381	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
128	LF87393	MIKE GLASGOW	13-Oct-15	PB	0.002	48503
129	LF87400	MIKE GLASGOW	13-Oct-15	PB	0.002	48504
130	LF87408	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
131	LF87933	MIKE GLASGOW	16-Oct-15	PB	0.002	48503
132	LF87934	MIKE GLASGOW	16-Oct-15	PB	0.002	48503
133	LF85946	MIKE GLASGOW	02-Oct-15	PB	0.002	48532
134	LF85288	MIKE GLASGOW	29-Sep-15	PB	0.003	48503
135	LF85930	MIKE GLASGOW	02-Oct-15	PB	0.003	48503
136	LF85952	MIKE GLASGOW	02-Oct-15	PB	0.003	48503
137	LF87014	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
138	LF87017	MIKE GLASGOW	08-Oct-15	PB	0.003	48507
139	LF87364	MIKE GLASGOW	13-Oct-15	PB	0.003	48506
140	LF87377	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
141	LF87947	MIKE GLASGOW	16-Oct-15	PB	0.003	48503
142	LF87058	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
143	LF87409	MIKE GLASGOW	13-Oct-15	PB	0.003	
144	LF85285	MIKE GLASGOW	29-Sep-15	PB	0.003	48503

	A	B	C	D	E	F
145	LF85614	MIKE GLASGOW	30-Sep-15	PB	0.003	48503
146	LF85857	MIKE GLASGOW	01-Oct-15	PB	0.003	48503
147	LF85938	MIKE GLASGOW	02-Oct-15	PB	0.003	48504
148	LF87041	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
149	LF87402	MIKE GLASGOW	13-Oct-15	PB	0.003	48504
150	LF87039	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
151	LF87055	MIKE GLASGOW	08-Oct-15	PB	0.003	48506
152	LF87371	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
153	LF87414	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
154	LF87425	MIKE GLASGOW	13-Oct-15	PB	0.003	
155	LF87430	MIKE GLASGOW	13-Oct-15	PB	0.003	48504
156	LF87436	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
157	LF87010	MIKE GLASGOW	08-Oct-15	PB	0.004	48504
158	LF85603	MIKE GLASGOW	30-Sep-15	PB	0.004	48503
159	LF87057	MIKE GLASGOW	08-Oct-15	PB	0.004	48507
160	LF82708	MIKE GLASGOW	15-Sep-15	PB	0.004	48503
161	LF85944	MIKE GLASGOW	02-Oct-15	PB	0.004	48503
162	LF87387	MIKE GLASGOW	13-Oct-15	PB	0.004	48503
163	LF87421	MIKE GLASGOW	13-Oct-15	PB	0.004	
164	LF87435	MIKE GLASGOW	13-Oct-15	PB	0.004	48503
165	LF85609	MIKE GLASGOW	30-Sep-15	PB	0.004	48502
166	LF85615	MIKE GLASGOW	30-Sep-15	PB	0.004	48504
167	LF85953	MIKE GLASGOW	02-Oct-15	PB	0.004	48503
168	LF87943	MIKE GLASGOW	16-Oct-15	PB	0.004	48503
169	LF85863	MIKE GLASGOW	01-Oct-15	PB	0.005	48503
170	LF87011	MIKE GLASGOW	08-Oct-15	PB	0.005	48503
171	LF87936	MIKE GLASGOW	16-Oct-15	PB	0.005	48503
172	LF87945	MIKE GLASGOW	16-Oct-15	PB	0.005	48507
173	LF82706	MIKE GLASGOW	15-Sep-15	PB	0.005	48503
174	LF85943	MIKE GLASGOW	02-Oct-15	PB	0.005	48503
175	LF87062	MIKE GLASGOW	08-Oct-15	PB	0.005	48507
176	LF87388	MIKE GLASGOW	13-Oct-15	PB	0.005	48507
177	LF87931	MIKE GLASGOW	16-Oct-15	PB	0.005	48503
178	LF87941	MIKE GLASGOW	16-Oct-15	PB	0.005	48504
179	LF84314	MIKE GLASGOW	23-Sep-15	PB	0.005	48507
180	LF85856	MIKE GLASGOW	01-Oct-15	PB	0.005	48503
181	LF87019	MIKE GLASGOW	08-Oct-15	PB	0.005	
182	LF87374	MIKE GLASGOW	13-Oct-15	PB	0.005	48503
183	LF87412	MIKE GLASGOW	13-Oct-15	PB	0.005	48507
184	LF87042	MIKE GLASGOW	08-Oct-15	PB	0.006	48503
185	LF87056	MIKE GLASGOW	08-Oct-15	PB	0.006	48506
186	LF85801	MIKE GLASGOW	01-Oct-15	PB	0.006	48503

	A	B	C	D	E	F
187	LF85859	MIKE GLASGOW	01-Oct-15	PB	0.006	48503
188	LF84898	MIKE GLASGOW	25-Sep-15	PB	0.006	48505
189	LF87385	MIKE GLASGOW	13-Oct-15	PB	0.006	48503
190	LF87009	MIKE GLASGOW	08-Oct-15	PB	0.006	48503
191	LF87021	MIKE GLASGOW	08-Oct-15	PB	0.006	48503
192	LF87043	MIKE GLASGOW	08-Oct-15	PB	0.006	48506
193	LF87048	MIKE GLASGOW	08-Oct-15	PB	0.006	48504
194	LF87407	MIKE GLASGOW	13-Oct-15	PB	0.006	48504
195	LF85290	MIKE GLASGOW	29-Sep-15	PB	0.006	48503
196	LF85602	MIKE GLASGOW	30-Sep-15	PB	0.006	48503
197	LF85798	MIKE GLASGOW	01-Oct-15	PB	0.007	48504
198	LF87036	MIKE GLASGOW	08-Oct-15	PB	0.007	48503
199	LF87406	MIKE GLASGOW	13-Oct-15	PB	0.007	48507
200	LF87389	MIKE GLASGOW	13-Oct-15	PB	0.007	48505
201	LF84315	MIKE GLASGOW	23-Sep-15	PB	0.007	48503
202	LF85940	MIKE GLASGOW	02-Oct-15	PB	0.007	48505
203	LF85955	MIKE GLASGOW	02-Oct-15	PB	0.007	48503
204	LF87375	MIKE GLASGOW	13-Oct-15	PB	0.007	48507
205	LF85286	MIKE GLASGOW	29-Sep-15	PB	0.008	48504
206	LF87034	MIKE GLASGOW	08-Oct-15	PB	0.008	48507
207	LF87038	MIKE GLASGOW	08-Oct-15	PB	0.008	48503
208	LF87928	MIKE GLASGOW	16-Oct-15	PB	0.008	48503
209	LF87018	MIKE GLASGOW	08-Oct-15	PB	0.008	48505
210	LF85956	MIKE GLASGOW	02-Oct-15	PB	0.009	48503
211	LF85949	MIKE GLASGOW	02-Oct-15	PB	0.009	48503
212	LF87060	MIKE GLASGOW	08-Oct-15	PB	0.009	48507
213	LF87065	MIKE GLASGOW	08-Oct-15	PB	0.009	
214	LF87008	MIKE GLASGOW	08-Oct-15	PB	0.010	48503
215	LF87401	MIKE GLASGOW	13-Oct-15	PB	0.010	48505
216	LF85289	MIKE GLASGOW	29-Sep-15	PB	0.010	48506
217	LF87937	MIKE GLASGOW	16-Oct-15	PB	0.010	48507
218	LF85941	MIKE GLASGOW	02-Oct-15	PB	0.010	48503
219	LF87052	MIKE GLASGOW	08-Oct-15	PB	0.011	48504
220	LF85929	MIKE GLASGOW	02-Oct-15	PB	0.011	48503
221	LF87939	MIKE GLASGOW	16-Oct-15	PB	0.011	48503
222	LF85607	MIKE GLASGOW	30-Sep-15	PB	0.012	
223	LF85287	MIKE GLASGOW	29-Sep-15	PB	0.013	48507
224	LF87429	MIKE GLASGOW	13-Oct-15	PB	0.013	48505
225	LF87373	MIKE GLASGOW	13-Oct-15	PB	0.014	48507
226	LF87940	MIKE GLASGOW	16-Oct-15	PB	0.016	48503
227	LF87366	MIKE GLASGOW	13-Oct-15	PB	0.017	48506
228	LF87396	MIKE GLASGOW	13-Oct-15	PB	0.017	48506

	A	B	C	D	E	F
229	LF85935	MIKE GLASGOW	02-Oct-15	PB	0.018	48503
230	LF87390	MIKE GLASGOW	13-Oct-15	PB	0.019	48506
231	LF85329	MIKE GLASGOW	29-Sep-15	PB	0.019	
232	LF84316	MIKE GLASGOW	23-Sep-15	PB	0.020	48503
233	LF87416	MIKE GLASGOW	13-Oct-15	PB	0.020	
234	LF87399	MIKE GLASGOW	13-Oct-15	PB	0.021	48507
235	LF87403	MIKE GLASGOW	13-Oct-15	PB	0.027	48505
236	LF81253	MIKE GLASGOW	03-Sep-15	PB	0.028	48503
237	LF85948	MIKE GLASGOW	02-Oct-15	PB	0.030	48503
238	LF85860	MIKE GLASGOW	01-Oct-15	PB	0.041	48504
239	LF87040	MIKE GLASGOW	08-Oct-15	PB	0.074	48507
240	LF85611	MIKE GLASGOW	30-Sep-15	PB	0.075	48503
241	LF87426	MIKE GLASGOW	13-Oct-15	PB	0.078	
242	LF84897	MIKE GLASGOW	25-Sep-15	PB	0.327	48503

	A	B	C	D	E	F
1	SAMPNO	Contact	SUBDATE	ACODE	RESULT	Zip Code
2	LF87365	MIKE GLASGOW	13-Oct-15	PB	Not detected	48502
3	LF87382	MIKE GLASGOW	13-Oct-15	PB	0.001	48502
4	LF85608	MIKE GLASGOW	30-Sep-15	PB	0.001	48502
5	LF85958	MIKE GLASGOW	02-Oct-15	PB	0.002	48502
6	LF87063	MIKE GLASGOW	08-Oct-15	PB	0.002	48502
7	LF87944	MIKE GLASGOW	16-Oct-15	PB	0.002	48502
8	LF85609	MIKE GLASGOW	30-Sep-15	PB	0.004	48502
9	LF84899	MIKE GLASGOW	25-Sep-15	PB	Not detected	48503
10	LF85954	MIKE GLASGOW	02-Oct-15	PB	Not detected	48503
11	LF87012	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
12	LF87022	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
13	LF87023	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
14	LF87030	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
15	LF87032	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
16	LF87415	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
17	LF87423	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
18	LF87927	MIKE GLASGOW	16-Oct-15	PB	Not detected	48503
19	LF87932	MIKE GLASGOW	16-Oct-15	PB	Not detected	48503
20	LF85330	MIKE GLASGOW	29-Sep-15	PB	Not detected	48503
21	LF85862	MIKE GLASGOW	01-Oct-15	PB	Not detected	48503
22	LF87031	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
23	LF87378	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
24	LF87405	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
25	LF85604	MIKE GLASGOW	30-Sep-15	PB	Not detected	48503
26	LF85957	MIKE GLASGOW	02-Oct-15	PB	Not detected	48503
27	LF85960	MIKE GLASGOW	02-Oct-15	PB	Not detected	48503
28	LF87024	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
29	LF87025	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
30	LF87029	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
31	LF87033	MIKE GLASGOW	08-Oct-15	PB	Not detected	48503
32	LF87386	MIKE GLASGOW	13-Oct-15	PB	Not detected	48503
33	LF84317	MIKE GLASGOW	23-Sep-15	PB	0.001	48503
34	LF87016	MIKE GLASGOW	08-Oct-15	PB	0.001	48503
35	LF82709	MIKE GLASGOW	15-Sep-15	PB	0.001	48503
36	LF85951	MIKE GLASGOW	02-Oct-15	PB	0.001	48503
37	LF87028	MIKE GLASGOW	08-Oct-15	PB	0.001	48503
38	LF87424	MIKE GLASGOW	13-Oct-15	PB	0.001	48503
39	LF85934	MIKE GLASGOW	02-Oct-15	PB	0.001	48503
40	LF87367	MIKE GLASGOW	13-Oct-15	PB	0.001	48503
41	LF85605	MIKE GLASGOW	30-Sep-15	PB	0.001	48503
42	LF84313	MIKE GLASGOW	23-Sep-15	PB	0.002	48503

	A	B	C	D	E	F
43	LF87026	MIKE GLASGOW	08-Oct-15	PB	0.002	48503
44	LF87027	MIKE GLASGOW	08-Oct-15	PB	0.002	48503
45	LF87059	MIKE GLASGOW	08-Oct-15	PB	0.002	48503
46	LF87368	MIKE GLASGOW	13-Oct-15	PB	0.002	48503
47	LF81254	MIKE GLASGOW	03-Sep-15	PB	0.002	48503
48	LF85601	MIKE GLASGOW	30-Sep-15	PB	0.002	48503
49	LF85858	MIKE GLASGOW	01-Oct-15	PB	0.002	48503
50	LF85950	MIKE GLASGOW	02-Oct-15	PB	0.002	48503
51	LF87410	MIKE GLASGOW	13-Oct-15	PB	0.002	48503
52	LF87935	MIKE GLASGOW	16-Oct-15	PB	0.002	48503
53	LF85932	MIKE GLASGOW	02-Oct-15	PB	0.002	48503
54	LF87393	MIKE GLASGOW	13-Oct-15	PB	0.002	48503
55	LF87933	MIKE GLASGOW	16-Oct-15	PB	0.002	48503
56	LF87934	MIKE GLASGOW	16-Oct-15	PB	0.002	48503
57	LF85288	MIKE GLASGOW	29-Sep-15	PB	0.003	48503
58	LF85930	MIKE GLASGOW	02-Oct-15	PB	0.003	48503
59	LF85952	MIKE GLASGOW	02-Oct-15	PB	0.003	48503
60	LF87014	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
61	LF87377	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
62	LF87947	MIKE GLASGOW	16-Oct-15	PB	0.003	48503
63	LF87058	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
64	LF85285	MIKE GLASGOW	29-Sep-15	PB	0.003	48503
65	LF85614	MIKE GLASGOW	30-Sep-15	PB	0.003	48503
66	LF85857	MIKE GLASGOW	01-Oct-15	PB	0.003	48503
67	LF87041	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
68	LF87039	MIKE GLASGOW	08-Oct-15	PB	0.003	48503
69	LF87371	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
70	LF87414	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
71	LF87436	MIKE GLASGOW	13-Oct-15	PB	0.003	48503
72	LF85603	MIKE GLASGOW	30-Sep-15	PB	0.004	48503
73	LF82708	MIKE GLASGOW	15-Sep-15	PB	0.004	48503
74	LF85944	MIKE GLASGOW	02-Oct-15	PB	0.004	48503
75	LF87387	MIKE GLASGOW	13-Oct-15	PB	0.004	48503
76	LF87435	MIKE GLASGOW	13-Oct-15	PB	0.004	48503
77	LF85953	MIKE GLASGOW	02-Oct-15	PB	0.004	48503
78	LF87943	MIKE GLASGOW	16-Oct-15	PB	0.004	48503
79	LF85863	MIKE GLASGOW	01-Oct-15	PB	0.005	48503
80	LF87011	MIKE GLASGOW	08-Oct-15	PB	0.005	48503
81	LF87936	MIKE GLASGOW	16-Oct-15	PB	0.005	48503
82	LF82706	MIKE GLASGOW	15-Sep-15	PB	0.005	48503
83	LF85943	MIKE GLASGOW	02-Oct-15	PB	0.005	48503
84	LF87931	MIKE GLASGOW	16-Oct-15	PB	0.005	48503

	A	B	C	D	E	F
85	LF85856	MIKE GLASGOW	01-Oct-15	PB	0.005	48503
86	LF87374	MIKE GLASGOW	13-Oct-15	PB	0.005	48503
87	LF87042	MIKE GLASGOW	08-Oct-15	PB	0.006	48503
88	LF85801	MIKE GLASGOW	01-Oct-15	PB	0.006	48503
89	LF85859	MIKE GLASGOW	01-Oct-15	PB	0.006	48503
90	LF87385	MIKE GLASGOW	13-Oct-15	PB	0.006	48503
91	LF87009	MIKE GLASGOW	08-Oct-15	PB	0.006	48503
92	LF87021	MIKE GLASGOW	08-Oct-15	PB	0.006	48503
93	LF85290	MIKE GLASGOW	29-Sep-15	PB	0.006	48503
94	LF85602	MIKE GLASGOW	30-Sep-15	PB	0.006	48503
95	LF87036	MIKE GLASGOW	08-Oct-15	PB	0.007	48503
96	LF84315	MIKE GLASGOW	23-Sep-15	PB	0.007	48503
97	LF85955	MIKE GLASGOW	02-Oct-15	PB	0.007	48503
98	LF87038	MIKE GLASGOW	08-Oct-15	PB	0.008	48503
99	LF87928	MIKE GLASGOW	16-Oct-15	PB	0.008	48503
100	LF85956	MIKE GLASGOW	02-Oct-15	PB	0.009	48503
101	LF85949	MIKE GLASGOW	02-Oct-15	PB	0.009	48503
102	LF87008	MIKE GLASGOW	08-Oct-15	PB	0.010	48503
103	LF85941	MIKE GLASGOW	02-Oct-15	PB	0.010	48503
104	LF85929	MIKE GLASGOW	02-Oct-15	PB	0.011	48503
105	LF87939	MIKE GLASGOW	16-Oct-15	PB	0.011	48503
106	LF87940	MIKE GLASGOW	16-Oct-15	PB	0.016	48503
107	LF85935	MIKE GLASGOW	02-Oct-15	PB	0.018	48503
108	LF84316	MIKE GLASGOW	23-Sep-15	PB	0.020	48503
109	LF81253	MIKE GLASGOW	03-Sep-15	PB	0.028	48503
110	LF85948	MIKE GLASGOW	02-Oct-15	PB	0.030	48503
111	LF85611	MIKE GLASGOW	30-Sep-15	PB	0.075	48503
112	LF84897	MIKE GLASGOW	25-Sep-15	PB	0.327	48503
113	LF87037	MIKE GLASGOW	08-Oct-15	PB	Not detected	48504
114	LF87054	MIKE GLASGOW	08-Oct-15	PB	Not detected	48504
115	LF87383	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
116	LF87394	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
117	LF87395	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
118	LF85796	MIKE GLASGOW	01-Oct-15	PB	Not detected	48504
119	LF87432	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
120	LF85936	MIKE GLASGOW	02-Oct-15	PB	Not detected	48504
121	LF87419	MIKE GLASGOW	13-Oct-15	PB	Not detected	48504
122	LF85931	MIKE GLASGOW	02-Oct-15	PB	Not detected	48504
123	LF87929	MIKE GLASGOW	16-Oct-15	PB	Not detected	48504
124	LF87417	MIKE GLASGOW	13-Oct-15	PB	0.001	48504
125	LF85939	MIKE GLASGOW	02-Oct-15	PB	0.001	48504
126	LF85606	MIKE GLASGOW	30-Sep-15	PB	0.002	48504

	A	B	C	D	E	F
127	LF85795	MIKE GLASGOW	01-Oct-15	PB	0.002	48504
128	LF85861	MIKE GLASGOW	01-Oct-15	PB	0.002	48504
129	LF87020	MIKE GLASGOW	08-Oct-15	PB	0.002	48504
130	LF87376	MIKE GLASGOW	13-Oct-15	PB	0.002	48504
131	LF82707	MIKE GLASGOW	15-Sep-15	PB	0.002	48504
132	LF87400	MIKE GLASGOW	13-Oct-15	PB	0.002	48504
133	LF85938	MIKE GLASGOW	02-Oct-15	PB	0.003	48504
134	LF87402	MIKE GLASGOW	13-Oct-15	PB	0.003	48504
135	LF87430	MIKE GLASGOW	13-Oct-15	PB	0.003	48504
136	LF87010	MIKE GLASGOW	08-Oct-15	PB	0.004	48504
137	LF85615	MIKE GLASGOW	30-Sep-15	PB	0.004	48504
138	LF87941	MIKE GLASGOW	16-Oct-15	PB	0.005	48504
139	LF87048	MIKE GLASGOW	08-Oct-15	PB	0.006	48504
140	LF87407	MIKE GLASGOW	13-Oct-15	PB	0.006	48504
141	LF85798	MIKE GLASGOW	01-Oct-15	PB	0.007	48504
142	LF85286	MIKE GLASGOW	29-Sep-15	PB	0.008	48504
143	LF87052	MIKE GLASGOW	08-Oct-15	PB	0.011	48504
144	LF85860	MIKE GLASGOW	01-Oct-15	PB	0.041	48504
145	LF87372	MIKE GLASGOW	13-Oct-15	PB	Not detected	48505
146	LF87434	MIKE GLASGOW	13-Oct-15	PB	Not detected	48505
147	LF87418	MIKE GLASGOW	13-Oct-15	PB	Not detected	48505
148	LF87384	MIKE GLASGOW	13-Oct-15	PB	0.001	48505
149	LF87411	MIKE GLASGOW	13-Oct-15	PB	0.001	48505
150	LF85800	MIKE GLASGOW	01-Oct-15	PB	0.001	48505
151	LF84896	MIKE GLASGOW	25-Sep-15	PB	0.001	48505
152	LF84898	MIKE GLASGOW	25-Sep-15	PB	0.006	48505
153	LF87389	MIKE GLASGOW	13-Oct-15	PB	0.007	48505
154	LF85940	MIKE GLASGOW	02-Oct-15	PB	0.007	48505
155	LF87018	MIKE GLASGOW	08-Oct-15	PB	0.008	48505
156	LF87401	MIKE GLASGOW	13-Oct-15	PB	0.010	48505
157	LF87429	MIKE GLASGOW	13-Oct-15	PB	0.013	48505
158	LF87403	MIKE GLASGOW	13-Oct-15	PB	0.027	48505
159	LF85797	MIKE GLASGOW	01-Oct-15	PB	Not detected	48506
160	LF87050	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
161	LF87051	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
162	LF87369	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506
163	LF87370	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506
164	LF87397	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506
165	LF85799	MIKE GLASGOW	01-Oct-15	PB	Not detected	48506
166	LF87045	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
167	LF87938	MIKE GLASGOW	16-Oct-15	PB	Not detected	48506
168	LF87035	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506

	A	B	C	D	E	F
169	LF85933	MIKE GLASGOW	02-Oct-15	PB	Not detected	48506
170	LF87398	MIKE GLASGOW	13-Oct-15	PB	Not detected	48506
171	LF87047	MIKE GLASGOW	08-Oct-15	PB	Not detected	48506
172	LF87013	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
173	LF87053	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
174	LF85937	MIKE GLASGOW	02-Oct-15	PB	0.001	48506
175	LF87380	MIKE GLASGOW	13-Oct-15	PB	0.001	48506
176	LF87015	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
177	LF87046	MIKE GLASGOW	08-Oct-15	PB	0.001	48506
178	LF87404	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
179	LF87420	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
180	LF87422	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
181	LF85291	MIKE GLASGOW	29-Sep-15	PB	0.002	48506
182	LF87381	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
183	LF87408	MIKE GLASGOW	13-Oct-15	PB	0.002	48506
184	LF87364	MIKE GLASGOW	13-Oct-15	PB	0.003	48506
185	LF87055	MIKE GLASGOW	08-Oct-15	PB	0.003	48506
186	LF87056	MIKE GLASGOW	08-Oct-15	PB	0.006	48506
187	LF87043	MIKE GLASGOW	08-Oct-15	PB	0.006	48506
188	LF85289	MIKE GLASGOW	29-Sep-15	PB	0.010	48506
189	LF87366	MIKE GLASGOW	13-Oct-15	PB	0.017	48506
190	LF87396	MIKE GLASGOW	13-Oct-15	PB	0.017	48506
191	LF87390	MIKE GLASGOW	13-Oct-15	PB	0.019	48506
192	LF85802	MIKE GLASGOW	01-Oct-15	PB	Not detected	48507
193	LF87431	MIKE GLASGOW	13-Oct-15	PB	Not detected	48507
194	LF85613	MIKE GLASGOW	30-Sep-15	PB	Not detected	48507
195	LF87942	MIKE GLASGOW	16-Oct-15	PB	Not detected	48507
196	LF85942	MIKE GLASGOW	02-Oct-15	PB	0.001	48507
197	LF87044	MIKE GLASGOW	08-Oct-15	PB	0.001	48507
198	LF87930	MIKE GLASGOW	16-Oct-15	PB	0.001	48507
199	LF85959	MIKE GLASGOW	02-Oct-15	PB	0.001	48507
200	LF87391	MIKE GLASGOW	13-Oct-15	PB	0.002	48507
201	LF85612	MIKE GLASGOW	30-Sep-15	PB	0.002	48507
202	LF87413	MIKE GLASGOW	13-Oct-15	PB	0.002	48507
203	LF85610	MIKE GLASGOW	30-Sep-15	PB	0.002	48507
204	LF87049	MIKE GLASGOW	08-Oct-15	PB	0.002	48507
205	LF87017	MIKE GLASGOW	08-Oct-15	PB	0.003	48507
206	LF87057	MIKE GLASGOW	08-Oct-15	PB	0.004	48507
207	LF87945	MIKE GLASGOW	16-Oct-15	PB	0.005	48507
208	LF87062	MIKE GLASGOW	08-Oct-15	PB	0.005	48507
209	LF87388	MIKE GLASGOW	13-Oct-15	PB	0.005	48507
210	LF84314	MIKE GLASGOW	23-Sep-15	PB	0.005	48507

	A	B	C	D	E	F
211	LF87412	MIKE GLASGOW	13-Oct-15	PB	0.005	48507
212	LF87406	MIKE GLASGOW	13-Oct-15	PB	0.007	48507
213	LF87375	MIKE GLASGOW	13-Oct-15	PB	0.007	48507
214	LF87034	MIKE GLASGOW	08-Oct-15	PB	0.008	48507
215	LF87060	MIKE GLASGOW	08-Oct-15	PB	0.009	48507
216	LF87937	MIKE GLASGOW	16-Oct-15	PB	0.010	48507
217	LF85287	MIKE GLASGOW	29-Sep-15	PB	0.013	48507
218	LF87373	MIKE GLASGOW	13-Oct-15	PB	0.014	48507
219	LF87399	MIKE GLASGOW	13-Oct-15	PB	0.021	48507
220	LF87040	MIKE GLASGOW	08-Oct-15	PB	0.074	48507
221	LF87061	MIKE GLASGOW	08-Oct-15	PB	Not detected	48532
222	LF85945	MIKE GLASGOW	02-Oct-15	PB	Not detected	48532
223	LF85947	MIKE GLASGOW	02-Oct-15	PB	Not detected	48532
224	LF85946	MIKE GLASGOW	02-Oct-15	PB	0.002	48532
225	LF87064	MIKE GLASGOW	08-Oct-15	PB	Not detected	
226	LF87392	MIKE GLASGOW	13-Oct-15	PB	Not detected	
227	LF87946	MIKE GLASGOW	16-Oct-15	PB	Not detected	
228	LF87007	MIKE GLASGOW	08-Oct-15	PB	Not detected	
229	LF87379	MIKE GLASGOW	13-Oct-15	PB	Not detected	
230	LF87428	MIKE GLASGOW	13-Oct-15	PB	Not detected	
231	LF87427	MIKE GLASGOW	13-Oct-15	PB	0.001	
232	LF87433	MIKE GLASGOW	13-Oct-15	PB	0.001	
233	LF84900	MIKE GLASGOW	25-Sep-15	PB	0.002	
234	LF87409	MIKE GLASGOW	13-Oct-15	PB	0.003	
235	LF87425	MIKE GLASGOW	13-Oct-15	PB	0.003	
236	LF87421	MIKE GLASGOW	13-Oct-15	PB	0.004	
237	LF87019	MIKE GLASGOW	08-Oct-15	PB	0.005	
238	LF87065	MIKE GLASGOW	08-Oct-15	PB	0.009	
239	LF85607	MIKE GLASGOW	30-Sep-15	PB	0.012	
240	LF85329	MIKE GLASGOW	29-Sep-15	PB	0.019	
241	LF87416	MIKE GLASGOW	13-Oct-15	PB	0.020	
242	LF87426	MIKE GLASGOW	13-Oct-15	PB	0.078	

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 8:38 AM
To: Edgerton, Shelly (LARA);Dykema, Linda D. (DHHS);Sygo, Jim (DEQ)
Subject: Update on GCHD

Importance: High

I just received an e-mail from GCHD. They have informed me that they will not be sampling the schools.

George

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

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 8:56 AM
To: Henry, James
Cc: MVALACAK@gchd.us
Subject: RE: School Sampling

Hi Jim,

Thank you for letting me know. Will you be able to make it to the Friday meetings at city hall?

George

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

From: Henry, James [mailto:jhenry@gchd.us]
Sent: Tuesday, October 20, 2015 8:15 AM
To: Krisztian, George (DEQ)
Cc: MVALACAK@gchd.us
Subject: School Sampling

George,

GCHD will not be collecting the school samples. This decision is based upon the limitation of staff and resources, among other factors.

Respectfully, Jim

Jim Henry RS, MBA
Environmental Health Supervisor
Genesee County Health Department www.gchd.us
630 S. Saginaw St., Suite 4
Flint, MI 48502-1540
Phone (810) 257-3618 Fax (810) 257-3125
E-mail jhenry@gchd.us



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For a copy of the Health Department's Notice of Information Practices, contact the Health Department or visit the Health Department's website at <http://www.ge10338/>



From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 3:57 PM
To: Willoughby, Kathy (MDOT)
Cc: Shekter Smith, Liane (DEQ); Brewster, Simone (DEQ); Sygo, Jim (DEQ); Smith, Carol (DEQ); Shane, Kirby (DEQ); Pieper, Julia (DEQ)
Subject: FW: Flint Water Supplemental
Attachments: RE: Flint Water Supplemental
Importance: High

Kathy,

Please see the PCA and Fund in Anastasia's note below. Can you please create an DWL account number so that we can pre-fill the paperwork?

These are for the Flint lead and copper samples at schools.

Please respond back to the group as a whole. Please make this a high priority as we need to get the sampling materials together quickly.

Thank you!
 George

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

From: Lundy, Anastasia (DEQ)
Sent: Monday, October 19, 2015 11:19 AM
To: Renteria, Sylvia (DEQ); Smith, Renee (DEQ)
Cc: Root, Lisa (DEQ); Austin, Dawn (DEQ); Gangluff, Melissa (DEQ); Smith, Carol (DEQ); Krisztian, George (DEQ)
Subject: RE: Flint Water Supplemental

Perfect. Thanks Sylvia!

DEQ: [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED]

Carol/Dawn/Renee/Melissa: FYI – we will be seeing a new appropriation shortly in the 04526 Lab appropriation. We are receiving \$1M to use for the Flint drinking water sampling activities.

Coding for Flint Lab Samples

Index: 45500

Proj/Ph: 900040-00

PCA: TBD – see above request

Anastasia M. Lundy
Administration, RRD-DEQ
Phone: 517-284-5129 / Fax: 517-373-2637
Email: LundyA1@michigan.gov

From: Renteria, Sylvia (DEQ)
Sent: Monday, October 19, 2015 11:08 AM
To: Lundy, Anastasia (DEQ)
Subject: RE: Flint Water Supplemental

It is PA 143 of 2015.

Sylvia Renteria
 Financial Specialist
 Michigan Department of Environmental Quality
 6th Floor Constitution Hall
 T: 517-284-5006
 F: 517-241-7428

From: Lundy, Anastasia (DEQ)
Sent: Monday, October 19, 2015 11:07 AM
To: Renteria, Sylvia (DEQ)
Subject: RE: Flint Water Supplemental

Great news. Question: Although the PDF isn't available do you have the PA #? We'll need that to set up the PCA, since we don't have any GF/GP in the Lab right now.

Thanks!!!

Anastasia M. Lundy
Administration, RRD-DEQ
Phone: 517-284-5129 / Fax: 517-373-2637
Email: LundyA1@michigan.gov

From: Renteria, Sylvia (DEQ)
Sent: Monday, October 19, 2015 10:40 AM
To: Lundy, Anastasia (DEQ)
Subject: Flint Water Supplemental

Anastasia,

The governor has just approved a FY16 supplemental for the Flint water issue. Here is the link to the house version of the Flint supplemental. The legislature website doesn't have the PA version out there yet.

<http://www.legislature.mi.gov/documents/2015-2016/billconcurrent/House/pdf/2015-HCB-4102.pdf>

RRD was appropriated funds as follows:

Approp 04526
 Fund 0001 \$1,000,000

The funds are for additional testing at the state lab. The lab will need to know what coding to use for these tests. I am assuming that you'll identify the index, PCA, and use the department wide project number.

Please let me know if you have any questions on the supplemental. I would be happy to follow up.

Thank you,
Sylvia

Sylvia Rentería
Financial Specialist
Michigan Department of Environmental Quality
6th Floor Constitution Hall
T: 517-284-5006
F: 517-241-7428

From: Lundy, Anastasia (DEQ)
Sent: Monday, October 19, 2015 11:19 AM
To: Renteria, Sylvia (DEQ); Smith, Renee (DEQ)
Cc: Root, Lisa (DEQ); Austin, Dawn (DEQ); Gangluff, Melissa (DEQ); Smith, Carol (DEQ); Krisztian, George (DEQ)
Subject: RE: Flint Water Supplemental

Perfect. Thanks Sylvia!

Carol/Dawn/Renee/Melissa: FYI -- we will be seeing a new appropriation shortly in the 04526 Lab appropriation. We are receiving \$1M to use for the Flint drinking water sampling activities.

Coding for Flint Lab Samples

Index: 45500
 Proj/Ph: 900040-00
 PCA: TBD -- see above request

Anastasia M. Lundy
Administration, RRD-DEQ
Phone: 517-284-5129 / Fax: 517-373-2637
Email: LundyA1@michigan.gov

From: Renteria, Sylvia (DEQ)
Sent: Monday, October 19, 2015 11:08 AM
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Subject: RE: Flint Water Supplemental

It is PA 143 of 2015.

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Sylvia

Sylvia Renteria
Financial Specialist
Michigan Department of Environmental Quality
6th Floor Constitution Hall
T: 517-284-5006
F: 517-241-7428

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 4:14 PM
To: Willoughby, Kathy (MDOT)
Subject: RE: Flint Schools Water Testing

Thanks for checking! The coding down below is NOT the same thing. The coding below was simply for the preliminary investigation of the first 13 schools.

What we are talking about now is the full blown sampling protocol for these same 13 schools and the funding for that was the million dollars that was appropriated for Flint lead and copper testing. Please set up a separate account using the coding information provided by Anastasia.

Thank you
 George

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

From: Willoughby, Kathy (MDOT)
Sent: Tuesday, October 20, 2015 4:03 PM
To: Krisztian, George (DEQ)
Subject: FW: Flint Schools Water Testing
Importance: High

George,

Before I send the number out, below is the email that I was referring to from last week. Is the testing that Julia and Sylvia discuss below something different than the testing you need an account number for?

Thank you,

Kathy Willoughby
 Michigan Department of Transportation
 Accounting Services Division
 (517) 241-1269 phone
 (517) 373-6525 fax
willoughbyk@michigan.gov

From: Willoughby, Kathy (MDOT)
Sent: Monday, October 05, 2015 11:50 AM
To: Pieper, Julia (DEQ) <PIEPERJ2@michigan.gov>
Subject: RE: Flint Schools Water Testing

Julia,

The account number for these tests is M99953598.

Thank you,

Kathy Willoughby
Michigan Department of Transportation
Accounting Services Division
(517) 241-1269 phone
(517) 373-6525 fax
willoughbyk@michigan.gov

From: Pieper, Julia (DEQ)
Sent: Monday, October 05, 2015 10:24 AM
To: Willoughby, Kathy (MDOT) <WILLOUGHBYK@michigan.gov>
Subject: FW: Flint Schools Water Testing
Importance: High

Coding at bottom of chain.

Julia Pieper
Drinking Water Coordinator
Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

From: Krisztian, George (DEQ)
Sent: Friday, October 02, 2015 4:56 PM
To: Pieper, Julia (DEQ)
Subject: FW: Flint Schools Water Testing
Importance: High

At the bottom of the thread is the billing code information.

Thank you
George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Renteria, Sylvia (DEQ)
Sent: Wednesday, September 30, 2015 1:45 PM
To: Krisztian, George (DEQ); Busch, Stephen (DEQ)
Cc: Epkey, Amy (DEQ)
Subject: RE: Flint Schools Water Testing

Thank you George and Steve! I'll hold \$1,800 in our budget for the tests.

Sylvia Renteria
Financial Specialist
Michigan Department of Environmental Quality
6th Floor Constitution Hall
T: 517-284-5006
F: 517-241-7428

From: Krisztian, George (DEQ)
Sent: Wednesday, September 30, 2015 12:49 PM
To: Busch, Stephen (DEQ); Renteria, Sylvia (DEQ)
Cc: Epkey, Amy (DEQ)
Subject: RE: Flint Schools Water Testing

Thank you Steve!

You are correct Lead and Copper is \$26 and \$1500 covers 57 tests. My understanding is that we are simply talking about the 50 that are being picked up today, if that is the case then we are in good shape. The cost for 50 tests is \$1300

George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Busch, Stephen (DEQ)
Sent: Wednesday, September 30, 2015 12:46 PM
To: Krisztian, George (DEQ); Renteria, Sylvia (DEQ)
Cc: Epkey, Amy (DEQ)
Subject: RE: Flint Schools Water Testing

These are the 1 liter lead and copper corrosion control tests which I think are \$26 each.

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: Krisztian, George (DEQ)
Sent: Wednesday, September 30, 2015 12:45 PM
To: Renteria, Sylvia (DEQ)
Cc: Busch, Stephen (DEQ); Epkey, Amy (DEQ)
Subject: RE: Flint Schools Water Testing

Hi Sylvia,

The Lab charges \$18.00 per lead test. That would mean that \$1500 would cover 83 lead tests. Please let me know if that is an issue.

Thank you
George

George L. Krisztian
Laboratory Director
Michigan Department of Environmental Quality
(517) 335-8812

From: Renteria, Sylvia (DEQ)
Sent: Wednesday, September 30, 2015 11:39 AM
To: Krisztian, George (DEQ)
Cc: Busch, Stephen (DEQ); Epkey, Amy (DEQ)
Subject: Flint Schools Water Testing

Hello George!

For the testing of the water supply at the Flint schools please use the following coding for the costs:

Index: 26000
PCA: 11602
AOBJ: 6895

Also, can you please confirm that the cost for the testing will be about \$1,500?

Thank you,
Sylvia

Sylvia Renteria
Financial Specialist
Michigan Department of Environmental Quality
6th Floor Constitution Hall
T: 517-284-5006
F: 517-241-7428

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 4:46 PM
To: Willoughby, Kathy (MDOT)
Subject: RE: Flint Water Supplemental

Thank you!

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

From: Willoughby, Kathy (MDOT)
Sent: Tuesday, October 20, 2015 4:30 PM
To: Krisztian, George (DEQ)
Cc: Shekter Smith, Liane (DEQ); Brewster, Simone (DEQ); Sygo, Jim (DEQ); Smith, Carol (DEQ); Shane, Kirby (DEQ); Pieper, Julia (DEQ)
Subject: RE: Flint Water Supplemental

George,

DWL account number M99953604 has been created for this project.

Thank you,

Kathy Willoughby
 Michigan Department of Transportation
 Accounting Services Division
 (517) 241-1269 phone
 (517) 373-6525 fax
willoughbyk@michigan.gov

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 3:57 PM
To: Willoughby, Kathy (MDOT) <WILLOUGHBYK@michigan.gov>
Cc: Shekter Smith, Liane (DEQ) <SHEKTERL@michigan.gov>; Brewster, Simone (DEQ) <BREWSTERS@michigan.gov>; Sygo, Jim (DEQ) <SygoJ@michigan.gov>; Smith, Carol (DEQ) <SMITHC@michigan.gov>; Shane, Kirby (DEQ) <SHANEK@michigan.gov>; Pieper, Julia (DEQ) <PIEPERJ2@michigan.gov>
Subject: FW: Flint Water Supplemental
Importance: High

Kathy,

Please see the PCA and Fund in Anastasia's note below. Can you please create an DWL account number so that we can pre-fill the paperwork?

These are for the Flint lead and copper samples at schools.

Please respond back to the group as a whole. Please make this a high priority as we need to get the sampling materials together quickly.

Thank you!
George

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

From: Lundy, Anastasia (DEQ)
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Cc: Root, Lisa (DEQ); Austin, Dawn (DEQ); Gangluff, Melissa (DEQ); Smith, Carol (DEQ); Krisztian, George (DEQ)
Subject: RE: Flint Water Supplemental

Perfect. Thanks Sylvia!

Carol/Dawn/Renee/Melissa: FYI – we will be seeing a new appropriation shortly in the 04526 Lab appropriation. We are receiving \$1M to use for the Flint drinking water sampling activities.

Coding for Flint Lab Samples

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Proj/Ph: 900040-00
PCA: TBD – see above request

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Michigan Department of Environmental Quality
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Thank you,
Sylvia

**Sylvia Renteria
Financial Specialist
Michigan Department of Environmental Quality
6th Floor Constitution Hall
T: 517-284-5006
F: 517-241-7428**

From: Krisztian, George (DEQ)
Sent: Wednesday, October 21, 2015 8:51 AM
To: Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ)
Subject: Governor's update for actions taken on 10/21/15

Action Step #1

This action step has been incorporated into the after action plan.

Action Step #10

It was determined that the information in this action step would be communicated better in person and has therefore been incorporated into Action Step #13.

Action Step #13

DEQ staff have tentatively identify the week of October 26 to meet with representatives from the remaining 10 locations in the Flint School System that were not present at the October 16th meeting at the Superintendent's office.

Action Step #14

This action step has been incorporated into the after action plan.

Action Step #15

DEQ Staff have contacted DHHS to request a meeting regarding lead education materials for schools.

Action Step #16

The first plumbing assessment has been scheduled for Friday October 23, 2015. The subsequent sampling of the first facility has been scheduled for Saturday October 24. This decision was made jointly between DEQ, DLARA and DHHS in an effort to ensure that sampling staff could properly evaluate the sampling protocol without the added pressure of completing the sampling process before students arrived on site.

Action Step #17

The DEQ Lab has created a fillable PDF form for use in the school sampling protocol. This form was created to streamlining the information gathering process. The form was submitted for review by staff in DEQ, DHHS and DLARA and comments were subsequently incorporated. The form is now complete and ready for use.

Action Step #19

Staff from DEQ held a conference call with staff from EPA to discuss comments regarding proposed the corrosion control for the city of Flint. Clarification was needed regarding how concentrations were being calculated. Further discussions will follow.

Action Step #28

Staff from DEQ have contacted DHHS to schedule a meeting to discuss the development of childcare facility guidance. This guidance will be similar in nature to what is being done in schools but will be tailored to address the specific concerns with younger children and the smaller plumbing infrastructure of typical childcare facilities.

Additional Action Steps:

Standing meetings with the City of Flint have been scheduled for Fridays at 10:00 AM. These meetings have been formalized through December 18th, 2015. In addition, a tour of the Flint Water Treatment Plant has been scheduled for Friday October 23, 2015. The DEQ is taking video footage of the tour showing the coordinated efforts being taken by the City of Flint, DEQ, DHHS and DLARA. The Genesee County Health Department has been invited to the Friday meetings as well as the tour, GCHD is in the process of determining if they can participate.

A meeting was held between staff from the DEQ, DLARA and DHHS to discuss details regarding the flow and coordination of efforts for the school sampling protocol. It was mutually agreed that it was best to only do one school at first so that we can ensure that the process runs smoothly from partner to partner. The first plumbing evaluation will be done at Freeman elementary on Friday October 23, 2015. Steve Busch for the DEQ will accompany staff from DLARA to answer questions they might have during their plumbing evaluations. The subsequent water sampling effort will take place the next day on Saturday October 24, 2015. It was agreed that taking the samples on Saturday would allow staff to be able to evaluate the sampling process without the added pressure of ensuring that the sampling was complete before students arrived at the building.

DEQ Director Dan Wyant, Jim Sygo, George Krisztian and Karen Tommasulo held a conference call with Susan Hedman and other representatives from EPA to discuss the EPA's formation of a taskforce. The purpose of the task force was to: provide one stop shopping for technical assistance for the optimization of corrosion controls for the switch from Detroit to KWA. EPA requested a point of contact for the DEQ and Director Wyant suggested Chief Deputy Director Jim Sygo. EPA agreed that this was an appropriate choice and requested a formal letter from DEQ indicating Chief Deputy Director Sygo as the point of contact.

MDHHS has indicated that the total water filter/pitcher distribution for the period of 10/06/15 – 10/20/15 was 9,373 units.

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

From: Krisztian, George (DEQ)
Sent: Wednesday, October 21, 2015 9:04 AM
To: Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ)
Subject: UPDATE!!! Governor's update for actions taken on 10/21/15

Please use this version instead of the version sent earlier this morning:

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

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in DEQ, DHHS and DLARA and comments were subsequently incorporated. The form is now complete and ready for use.

Action Step #19

The corrosion control treatment plan (CCTP) and permit application was received late last Friday and were reviewed. Our review comments were provided to Flint's consultant (LAN). The CCTP was forwarded to EPA last Friday and their comments were received yesterday. A conference call was held this morning between our staff and Daren Lytle and Michael Schock of EPA to discuss the main comments (EPA's and DEQ's) to confirm that both agencies concur with the design and proposed corrosion control dosages. We are currently preparing a revised set of comments, based on our discussion with EPA. The revised comments will be sent to EPA to confirm concurrence before sending to LAN.

Action Step #21

An Act 399 permit will be issued to the city of Flint to install CCT following receipt of revised plans, specs, and – as needed – permit application that addresses the revised review comments.

Action Step #28

Staff from DEQ have contacted DHHS to schedule a meeting to discuss the development of childcare facility guidance. This guidance will be similar in nature to what is being done in schools but will be tailored to address the specific concerns with younger children and the smaller plumbing infrastructure of typical childcare facilities.

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

From: Krisztian, George (DEQ)
Sent: Wednesday, October 21, 2015 10:10 AM
To: Dykema, Linda D. (DHHS)
Cc: Sygo, Jim (DEQ); Edgerton, Shelly (LARA)
Subject: Re: Data Request

Thank you for the update

George

Sent from my iPhone

On Oct 21, 2015, at 9:29 AM, Dykema, Linda D. (DHHS) <DykemaL@michigan.gov> wrote:

Good news. The family's blood lead tests all came back < detection limit.

Bad news. Someone they talked with (not from my office) implied it was not the water and the family, wife, kids, dogs were all chewing on the woodwork. One step forward, couple steps back. I have to go kick something now.

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 1:03 PM
To: Dykema, Linda D. (DHHS)
Cc: Sygo, Jim (DEQ); Edgerton, Shelly (LARA); Priem, Wesley F. (DHHS)
Subject: RE: Data Request

Hi Linda,

Please feel free to call me when you are free to talk.

George

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

From: Dykema, Linda D. (DHHS)
Sent: Tuesday, October 20, 2015 11:52 AM
To: Krisztian, George (DEQ)
Cc: Sygo, Jim (DEQ); Edgerton, Shelly (LARA); Priem, Wesley F. (DHHS)
Subject: RE: Data Request
Importance: High

Sorry I had to get off the call abruptly this morning. To bring you into the loop:

We got word yesterday of a male dog with veterinarian confirmed lead toxicosis in the city of Flint. Female dog in the same household gave birth to a single stillborn pup yesterday morning (she'd had 2 previous large successful litters). MDARD is working with them on the veterinary concerns.

I spoke the resident late yesterday and again this morning. They are on Flint water and have a filter from the city. He first told me they'd had their filtered water tested, but said today that he thought his wife had sent off the sample but she had not. Wife is pregnant. There are 4 children in the house. Their Dr has told them not to bathe or shower in the tap water. They all had blood drawn yesterday and we may have the results as soon as this afternoon. Resident is heartbroken over his dogs, angry at the city, and very worried about his family. This could hit the press.

We are making arrangements to conduct a lead risk assessment on the house, possibly Thursday or Friday, that would include one of our field staff from the Lead Safe Homes Program (copying Wes Priem the program manager) and a nurse from the county health department. We'd like to take water samples from 3 taps: the kitchen filtered faucet, the bathroom tap they'd use to bathe, and an outside tap from which they'd watered the dogs. We need DEQ input on how best to collect (homeowner or other?) and analyze the samples (DEQ lab?).

I have meetings from 12:30 to 2:30, but am available after that to discuss.

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 8:34 AM
To: Dykema, Linda D. (DHHS)
Cc: Sygo, Jim (DEQ); Edgerton, Shelly (LARA)
Subject: Data Request
Importance: High

Linda,

I was unable to find data on 829 E Wellington. Either they used a Lab other than the DEQ's Lab or they did not submit their sample under Flint's free testing program.

George

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

From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 8:56 AM
To: Smith, Carol (DEQ)
Subject: RE: questions

I'm a little lost. Can you please call him and ask him if he has received the information that he is looking for? If not, give him my contact information

Thank you
 George

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

From: Smith, Carol (DEQ)
Sent: Thursday, October 22, 2015 8:53 AM
To: Krisztian, George (DEQ)
Subject: RE: questions

George
 I do not think it was about the home evaluation.
 He mentioned public housing and DEQs protocol.
 See my email.
 I think someone needs to call him and I have no idea what the protocol is.

Carol Smith
 MDEQ Laboratory
 Organic Unit Manager
 517-335-9550
smithc@mi.gov

From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 8:37 AM
To: Smith, Carol (DEQ)
Subject: RE: questions

If this was in response to the potential home evaluation, then the answer is that I provided the billing code information to DHHS but not necessarily to David specifically.

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

Cell ph PPI

From: Smith, Carol (DEQ)
Sent: Thursday, October 22, 2015 8:09 AM
To: Krisztian, George (DEQ)
Subject: RE: questions

Ok.

Did you call David Sherborn from the dept of health & human services? (I want to throw out my sticky note!)

Carol Smith
 MDEQ Laboratory
 Organic Unit Manager
 517-335-9550
smithc@mi.gov

From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 8:06 AM
To: Smith, Carol (DEQ)
Subject: RE: questions

Good point. Since those samples were collected prior to October 2, 2015 they should fall under the City's program.

George

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

From: Smith, Carol (DEQ)
Sent: Thursday, October 22, 2015 7:59 AM
To: Krisztian, George (DEQ)
Subject: RE: questions

Ditto.

Just to clarify. Work order 51000302 was received on October 2 but contained only samples collected October 1 and before.

Should these be put under the account M99953605 ???

Carol Smith
 MDEQ Laboratory
 Organic Unit Manager
 517-335-9550
smithc@mi.gov

From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 7:39 AM
To: Smith, Carol (DEQ)

Cc: Shane, Kirby (DEQ); Pieper, Julia (DEQ)

Subject: RE: questions

Hi Carol,

Please see my responses below.

I miss you guys.

George

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

From: Smith, Carol (DEQ)
Sent: Thursday, October 22, 2015 6:57 AM
To: Krisztian, George (DEQ)
Cc: Shane, Kirby (DEQ); Pieper, Julia (DEQ)
Subject: questions

Good Morning George!

Do you want us to put the school samples we tested a couple weeks ago on the school account number listed below?
 YES

Do you want to contact Mike Glasgow to ensure the proper account number is on future residential free testing? Or do you want us to contact him? I would like the lab to contact Mike please

Tandem pulled Flint work order numbers from the system and got a list of samples tested for Pb/Cu that had a contact name of Mike Glasgow. Some WOs were from September and October 1, and October 2. I believe the free testing was not offered until the press conference on October 2?????. Do we change the account number only on samples received starting October 5th? Or do we change all of them? If I recall correctly there was a time where the City of Flint was picking up the cost for residential testing. In looking at my calendar the initial press conference at Kettering University was on October 2, 2015 and that is when the State made a commitment to offer free testing to Flint residents. That said, use October 2, 2015 as the start date of the state funding source. Samples received prior to October 2, 2015 would fall under the City of Flint's program.

Thanks and have a great day!

Carol Smith
 MDEQ Laboratory
 Organic Unit Manager
 517-335-9550
smithc@mi.gov

From: Willoughby, Kathy (MDOT)
Sent: Wednesday, October 21, 2015 2:59 PM
To: Lundy, Anastasia (DEQ); Pieper, Julia (DEQ)
Cc: Leeming, Susan (DEQ); Krisztian, George (DEQ); Shane, Kirby (DEQ); Smith, Carol (DEQ); Smith, Renee (DEQ); Austin, Dawn (DEQ); Mullins, Julie (MDOT)
Subject: RE: Invoices/Payments for Flint Drinking Water Analysis

Hello

The DWL account numbers that have been established for this project are as follows:

Flint—Schools M99953604
 Flint---Residential M99953605
 Flint—Other M99953606

I will hold off on the invoicing that's due to run next Friday, 10/30, until I hear from Julia, Carol, or Kirby that Flint's samples in the queue have been double checked for accuracy with respect to account numbers for invoicing. We can delay billing until the following week if more time is needed.

Thank you.

Kathy Willoughby
 Michigan Department of Transportation
 Accounting Services Division
 (517) 241-1269 phone
 (517) 373-6525 fax
willoughbyk@michigan.gov

From: Lundy, Anastasia (DEQ)
Sent: Wednesday, October 21, 2015 2:38 PM
To: Willoughby, Kathy (MDOT) <WILLOUGHBYK@michigan.gov>; Pieper, Julia (DEQ) <PIEPERJ2@michigan.gov>
Cc: Leeming, Susan (DEQ) <LeemingS@michigan.gov>; Krisztian, George (DEQ) <krisztian@michigan.gov>; Shane, Kirby (DEQ) <SHANEK@michigan.gov>; Smith, Carol (DEQ) <SMITHC@michigan.gov>; Smith, Renee (DEQ) <SMITHR30@michigan.gov>; Austin, Dawn (DEQ) <AUSTIND3@michigan.gov>
Subject: Invoices/Payments for Flint Drinking Water Analysis
Importance: High

Kathy – Hi there! ☺ In the course of many discussions, we've determined we have the following 3 categories of samples coming to the Drinking Water Lab from the City of Flint. The City of Flint should not receive invoices related to these tests. **Please submit ALL invoices related to these categories to RRD – Administration for payment.** We will pay them from the \$1M GF/GP supplemental funds that have been provided for this purpose.

1. Flint – Schools (DWL account #M99953604)
2. Flint – Residential (needs a new DWL account #)
3. Flint – Other (needs a new DWL account #) *FYI – this is the category that will be used for the 6 DHHS samples.*

This will keep the Flint emergency related samples separate from the regular City of Flint monitoring samples that come in and are directly billed to/paid for the City, which brings us to the next item.

Julia/Carol/Kirby – Some samples for the above categories have already been processed or are undergoing analysis now. These tests were processed under the standard "City of Flint" DWL account number, and **need to be moved** to the correct account number before Kathy W. issues the invoices later this week. This will prevent the City from receiving invoices that we will be paying. Hopefully there haven't been too many of these yet and this won't be too time consuming.

Kathy: Please reply to all on this note with the new account codes.

Julia: Please reply to all on this note when the paperwork for the prior tests has been updated to reflect the new account numbers.

Please don't hesitate to call if you have any questions. Thanks everyone for your continued efforts on this important issue!

*Anastasia M. Lundy, Administration Section Chief
Remediation & Redevelopment Division
Michigan Department of Environmental Quality
Phone: 517-284-5129 / Fax: 517-373-2637
Email: LundyA1@michigan.gov*

From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 9:09 AM
To: Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ)
Subject: Governor's Update for October 22, 2015

Action Item #4

The initial meeting for the internal after action plan is scheduled for October 22, 2015. The purpose of the meeting is to define the scope of the internal review, create a detailed timeline, connect all communications together to determine where communications could have been improved and to create a list of lessons learned and action steps moving forward.

Action Item #6

Madhu Ander has provided information for the creation of an external action review panel. The panel members have been selected and a press release was issued by the Governor's office on October 21, 2015.

Action Item #8

The DEQ Lab, working in conjunction with the Accounting Services Division has created the necessary billing codes to allow payment for the lead and copper samples from the city of Flint to be processed.

Action Item #11

The EPA task force has provided comments to staff in the Office of Drinking Water and Municipal Assistance (ODWMA). These comments are being reviewed and ODWMA staff are continuing to finalize the protocol.

Action Item #12

The logistics for the initial plumbing evaluation and subsequent water sampling have been finalized between staff from DEQ, DLARA and DHHS. The Plumbing inspection is scheduled for Friday October 23, 2015 and the water samples will be taken on Saturday October 24, 2015.

Action Item #19

Staff from DEQ are responding to comments on the corrosion control proposal made by the EPA task force. DEQ staff are following up on questions raised during the October 20, 2015 conference call.

Action Item #22

Monitoring Schedule letter expected to be mailed tomorrow 10/22. The monitoring schedule addresses change back to a customer supply of GLWA. A final copy will be attached to tomorrow's update.

Additional Action Items

At the request of Representative Neeley, George Krisztian contacted Carlita Earl, Principal of the Eagle's Nest Academy. Ms. Earl has formally requested that Eagle's Nest Academy receive a plumbing evaluation and water sampling as outlined in the newly developed school assessment protocol. Ms. Earl was informed that she would be added to the list of Schools being evaluated and that the original 13 Flint School system buildings would be evaluated first and then the DEQ/DLARA/DHHS would expand the evaluation process to charter schools, parochial schools and

other childcare facilities. Ms. Earl was informed that since her Academy served children from grades K-4 that they would be placed at the top of the list once the evaluations of the original 13 buildings is complete.

Director Wyant, Chief Deputy Director Sygo and George Krisztian met with a group of pastors and citizens that came to Constitution Hall to voice their concerns regarding the water in Flint. The discussion lasted for approximately one hour and the topics included a history of events, questions regarding how decisions were made and the plan moving forward. The group indicated that they had read a great deal in the media and were interested in finding out what DEQ's perspective of the situation was. The questions were tough but the conversation was very respectful. The group was informed that an independent group external to the DEQ would be conducting an after action review and this information seemed to be well received.

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

From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 11:31 AM
To: Carlita Earl
Cc: pastorreggieflynn@yahoo.com; delorisflynn@gmail.com; Sygo, Jim (DEQ)
Subject: RE: Plumbing Assessment

Ms. Earl, PPI

I enjoyed speaking with you yesterday and look forward to working with you in the future. I have informed my counterparts in DLARA and DHHS of your request. As I indicated in our conversation we will be doing the initial 13 buildings and then we will be expanding the program from there.

I am hopeful that we will have the first 13 building evaluations complete within the next month and we will contact you once those are complete. I have placed a reminder notice on my calendar for Monday November 23, 2015 to call you with an update.

Please continue to use the protective measures that schools should already have in place. Although the switch to Detroit water occurred on Friday October 16, 2015, we want to emphasize caution as we move forward.

Please feel free to contact me if for some reason I do not call you by then.

Thank you
 George

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

From: Carlita Earl [<mailto:cearl@eaglesnestflint.org>]
Sent: Wednesday, October 21, 2015 12:51 PM
To: Krisztian, George (DEQ)
Cc: pastorreggieflynn@yahoo.com; delorisflynn@gmail.com; cearl@eaglesnestflint.org
Subject: Plumbing Assessment

Greetings Mr. George Krisztian,

Per our conversation, I would like to request to have a plumbing assessment for Eagle's Nest Academy. Thank you for reaching out to provide ENA with support in this very important matter. Thanks again for your support.

Educationally Yours,

Carlita Earl
 Principal
 Eagle's Nest Academy

(P) 810 869-6495 | (F) 810.853.6404

cearl@eaglesnestflint.org

From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 2:25 PM
To: Edgerton, Shelly (LARA)
Subject: Re: Document review

Thank you!

Sent from my iPhone

On Oct 22, 2015, at 2:24 PM, Edgerton, Shelly (LARA) <EdgertonS1@michigan.gov> wrote:

George – For your update today, LARA would like to add the following:

- Completed additional review of documents at the Flint repository to assist with the sequencing at the schools
- Flint is able to provide space; additional documentation gives greater guidance on locations for plumbing fixtures
- Confirmation with DEQ that bottles and necessary equipment will be available for sampling start on Saturday 10/24

Shelly Edgerton

Chief Deputy Director & Chief Data Systems Officer

edgertonS1@michigan.gov

Phone: 517 241-4805

Cell: PPI

<image001.jpg>

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From: Krisztian, George (DEQ)
Sent: Thursday, October 22, 2015 3:29 PM
To: Anderson, Madhu (DEQ)
Subject: City of Flint 2015 3rd Quarter Water Quality Report
Attachments: 3rd Quarter CoF Water Quality Report (2).pdf

For your records,

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

From: Krisztian, George (DEQ)
Sent: Friday, October 23, 2015 7:46 AM
To: Shaler, Karen (DEQ);Thelen, Mary Beth (DEQ)
Subject: Governor's Update for October 23, 2015
Attachments: Monitoring Schedule 4th Qtr - 2015.pdf

PLEASE ADD ATTACHMENTS TO TODAY'S REPORT TO THE GOVERNOR

Action Step 4: Conduct After Action Plan:

The initial After Action Plan meeting was held on October 22, 2015. Topics covered:

The discussion of the roles of each team member.

The scope of the After Action Plan.

The timeframe in which the After Action Plan is to be completed.

The main components of the After action Plan are:

- An After Action Review Summary timeline that details critical events in chronological order asking key questions and providing explanations for actions taken.
- Implementation of the Governor's 10 point Action Plan
- An evaluation of if DEQ made mistakes and if so what were they
- An evaluation of lessons learned defining what we can do better/differently in the future.

Action Step 11: Finalize sampling protocol:

Participated on a conference call with EPA Task Force to discuss proposed sampling protocol and the comments received from EPA. Agreed to reconvene a call next week to discuss how the pilot sampling efforts goes, what went well, what might need to be adjusted, etc.

Action Step 19: Corrosion Control Treatment plan:

A summary of our discussion with EPA regarding Flint's corrosion control plan was provided to Darren Lytle and Michael Schock of EPA. The summary included confirmation of the actual phosphate dosage from the Detroit Lake Huron WTP. Steve's summary to EPA is included in the thread below.

Action Step 20: Act 399 permit for phosphate feed system:

Proper dosages are now confirmed based on incoming P04 residual at Flint. A product cut-sheet to confirm NSF approval and max dose is to be provided shortly. The consultant will also confirm proper sizing of the feed pumps. Anticipate receiving this info tomorrow which will facilitate issuance of the Act 399 permit.

Action Step 22: Provide Flint with an updated monitoring schedule:

An updated monitoring schedule is completed and signed. The schedule will be mailed to the city tomorrow. A copy of the updated monitoring schedule is attached.

Action Step No. 24: Work with KWA to address bottleneck issues:

An electronic communication was sent to Genesee County (John O'Brien) informing him of our concern over improper soil erosion control measures at the pipeline jobsite and what corrective measures were being taken to avoid a potential halt of construction by the Lapeer County Road Comm. Genesee County has not responded thus far.

Additional Action Steps:

A conference call was held between representatives from DEQ/DLARA/DHHS to further discuss ways to ensure that the efforts of all three agencies were coordinated. It was determined that weekly calls providing updates to the group as a whole would be beneficial. DEQ also agreed to copy DLARA and DHHS on their daily update report to the Governor's office.

Flint Action Plan Coordinator George Krisztian contacted Flint Community Schools Superintendent Bilal Tawwab to obtain permission to allow the Detroit Free Press to take footage of the water sampling process to be conducted at Freeman Elementary School on Saturday October 24, 2015. The Superintendent gave his permission stating that it would not be an issue since there would not be any students present.

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

From: Krisztian, George (DEQ)
Sent: Friday, October 23, 2015 2:44 PM
To: Edgerton, Shelly (LARA); Sygo, Jim (DEQ); Dykema, Linda D. (DHHS); Thelen, Mary Beth (DEQ)
Subject: RE: School schedule

I agree. We could potentially do two schools on election day if we get coordinated next week.

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

From: Edgerton, Shelly (LARA)
Sent: Friday, October 23, 2015 2:37 PM
To: Krisztian, George (DEQ); Sygo, Jim (DEQ); Dykema, Linda D. (DHHS); Thelen, Mary Beth (DEQ)
Subject: RE: School schedule

We should talk schedule. It would give us an additional day to sample.

Shelly Edgerton
 Chief Deputy Director & Chief Data Systems Officer
edgertons1@michigan.gov
 Phone: 517 241-4805
 Cell: PPI



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From: Krisztian, George (DEQ)
Sent: Friday, October 23, 2015 2:04 PM
To: Sygo, Jim (DEQ) <SygoJ@michigan.gov>; Edgerton, Shelly (LARA) <EdgertonS1@michigan.gov>; Dykema, Linda D. (DHHS) <DykemaL@michigan.gov>; Thelen, Mary Beth (DEQ) <THELENM2@michigan.gov>
Subject: Fwd: School schedule

FYI

Sent from my iPhone

Begin forwarded message:

From: "Busch, Stephen (DEQ)" <BUSCHS@michigan.gov>
Date: October 23, 2015 at 10:44:30 AM EDT

To: "Krisztian, George (DEQ)" <krisztiang@michigan.gov>
Cc: "Shekter Smith, Liane (DEQ)" <SHEKTERL@michigan.gov>
Subject: School schedule

FYI. Flint public schools are closed on Election Day.

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

Sent from my iPhone

From: Krisztian, George (DEQ)
Sent: Monday, October 26, 2015 8:44 AM
To: Devereaux, Tracy Jo (DEQ)
Subject: RE: Pb Sampling Protocol

I would like you to attend please.

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

From: Devereaux, Tracy Jo (DEQ)
Sent: Monday, October 26, 2015 8:43 AM
To: Krisztian, George (DEQ)
Subject: RE: Pb Sampling Protocol

Yes, am I attending this meeting or just setting it up? I am open to being on future sampling teams if there is a need. Who knew field work could be so interesting? ☺

Thanks,
Tracy Jo

From: Krisztian, George (DEQ)
Sent: Monday, October 26, 2015 8:40 AM
To: Shekter Smith, Liane (DEQ); Graham, Lois (DEQ); Prysby, Mike (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: Pb Sampling Protocol
Importance: High

I think we need to meet today to evaluate Saturday's sampling event. Overall I think it went really well but I also think there are some lessons learned that we should discuss and perhaps include in the protocol.

Tracey Jo,
Can you please get us a conference room and schedule a time? I am free for most of the day today but earlier is better than later.

Thank you!
George

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

Cell ph

PPI

From: Krisztian, George (DEQ)
Sent: Monday, October 26, 2015 9:56 AM
To: Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ)
Subject: Governor's update for October 26, 2015
Importance: High

From: Shekter Smith, Liane (DEQ)
Sent: Friday, October 23, 2015 5:31 PM
To: Krisztian, George (DEQ)
Cc: Sygo, Jim (DEQ); Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: DRAFT DELIBERATIVE. Daily update

Action Step 11: Finalize sampling protocol:

Sampling protocol was revised to address comments received on 10/22 from EPA Task Force.

Action Step 15: ODWMA staff observe a DLARA plumbing assessment:

Staff assisted DLARA in conducting a plumbing assessment at the Freeman Elementary School. Actions were taken to prepare for sampling to be conducted on Saturday.

Action Step 18: Review Act 399 Permit application and issue permit for phosphate Equip:

The information requested by the DEQ was not received from Flint's consultant today; thus permit was not issued. Discussed with WTP operator Brent Wright and Michael Glasgow (Utilities Supt). Brent confirmed that he needs to provide some of the information regarding the PO4 product to the consultant.

Action Step 19: Review stand-by operation of Flint WTP:

Discussed with Michael Glasgow and Brent Wright the need for quarterly test runs and monthly operation reporting details while the plant is in stand-by mode. Also included the need to report phosphate dosages and phosphate residuals (plant tap and distribution) in the monthly operation report.

Action Step 22: Work with KWA to address bottleneck issues:

John O'Brien (Genesee Co. Drain Comm.'s office) contacted me in response to yesterday's e-mail. Lapeer Co. Road Comm. has placed a stop work order on Contract S-4005; however, the Drain Commissioner's Office contends that the road comm. has no authority to issue a stop work order; thus work is continuing. I stressed the importance to John of the need to keep the project moving forward and to confirm that the contractor is following proper soil erosion measures and other local guidelines that may apply.

Action Step 23: Verify Flint distribution operations under DWSD service:

Based on discussion with Michael Glasgow and Brent Wright, there have not been major distribution system issues or upsets since the switch back to DWSD. Utility operators were flushing and winterizing hydrants this week and flushing

from the water treatment plant to the outside reaches of the distribution system. Phosphate residuals are also being measured twice per week at the city's bacteria monitoring sites.

Liane J. Shekter Smith, P.E.

Assistant to Chief Deputy Director Jim Sygo

Michigan Department of Environmental Quality

517-284-6543

Additional Action Steps.

Representatives from DEQ, DLARA and DHHS met with Mayor Dayne Walling and Howard Croft from the City of Flint for the weekly update. Each group gave an overview of actions that were taken over the course of the week. The DEQ discussed sample results from homeowners since the offer to provide free lead and copper testing was made. The DEQ also discussed the School sampling protocol that was developed and would be used on Saturday October 24, 2015 at Freeman Elementary. DLARA discussed the plumbing assessment of Freeman Elementary that was being conducted on Friday October 23, 2015. DHHS gave an update on the prioritization schema for blood lead screening that was being conducted for Flint residents with the highest priority going to individuals with the highest risk including young children and infants.

After the weekly coordination meeting the City of Flint gave a tour of the Flint Water Treatment Plant to coordination committee members from the DEQ, DLARA and DHHS. The tour provided a complete picture of the treatment process for both sources of water that could potentially be used including water from the Flint River and treated water coming from Detroit. There was also discussion on how water from the KWA would be distributed along with discussion of the supplemental addition of corrosion control agents.

On Saturday October 24, 2015 representatives of DEQ and DLARA conducted the first sampling event of Flint Schools at Freeman Elementary. Media from several news agencies were present to cover the initial sampling event. Media conducted interviews with Karen Tommasulo and footage was taken of the sampling process. The sampling team consisted of 7 members and it took a little over 3 hours to conduct the entire sampling event. There was a small group of protesters outside of the school that stayed there for approximately an hour and a half after which they peacefully disbursed.

After the sampling event, the samples were driven to the DEQ Laboratory and logged into the computer system. The Inorganics Unit Supervisor was contacted and made aware of the status of the samples. The samples were then prepped on Sunday October 25, 2015 and are scheduled for analysis on Monday October 26, 2015.

Links for media coverage of the sampling event are below:

<http://www.abc12.com/home/headlines/State-begins-extensive-testing-of-water-plumbing-inside-Flint-Community-Schools-336669641.html?device=phone&c=y>

<http://nbc25news.com/news/local/mdeq-tests-lead-levels-at-flint-schools>

From: Krisztian, George (DEQ)
Sent: Tuesday, October 27, 2015 9:39 AM
To: Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ)
Subject: FW: DRAFT DELIBERATIVE. Daily update 10/26.

Governor's Report for October 27, 2015

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

From: Shekter Smith, Liane (DEQ)
Sent: Monday, October 26, 2015 5:19 PM
To: Krisztian, George (DEQ); Shaler, Karen (DEQ)
Cc: Thelen, Mary Beth (DEQ); Sygo, Jim (DEQ); Benzie, Richard (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: DRAFT DELIBERATIVE. Daily update 10/26.

Action Step 7: Meet with DHHS and discuss all lead education material for schools.

Confirmed meeting tomorrow (10/27) with DHHS to discuss.

Action Step 9: Review Construction Permit Application and issue permit for phosphate equipment.

Mike Prysby discussed with the city of Flint's consultant remaining items that are needed for issuance of Michigan's Safe Drinking Water Act (Act 399) construction permit. Staff anticipate receiving these items tomorrow.

Action Step 12: Contact city of Flint for Service Line Record status update and obtain a copy of the records to date.

Staff obtained approximately 10,895 records from the City's GIS system regarding service line index cards and extracted into a table format for additional data review. Data review has been initiated by Lansing District staff.

Action Step 16: Confirm plumbing assessment and sampling is scheduled for Brownell K-2 STEM Academy and Eisenhower Elementary.

DLARA and DEQ staff tentatively plan to conduct plumbing assessments at Brownell K-2 STEM Academy and Eisenhower Elementary on Friday 10/30. DLARA staff will contact Flint school facility administrator to confirm date and approximate times.

Additional Action Items:

All of the 124 samples that were taken at Freeman Elementary School on Saturday October 24, 2015 were analyzed by the DEQ Laboratory on Monday October 26, 2015. The data is being compiled into a spreadsheet to allow an evaluation of the various sampling points. Initial indications are that there

will need to be some replacement of plumbing fixtures but issues do not seem to exist deeper into the plumbing infrastructure. Further sequential testing will be conducted at select points to verify that water is being drawn from the main.

DEQ staff met to discuss lessons learned from the sampling event at Freeman Elementary. A number of observations were made with respect to how to streamline the process. The group agreed to incorporate several of the observations into the sampling protocol. The protocol is being updated to reflect these changes.

From: Krisztian, George (DEQ)
Sent: Tuesday, October 27, 2015 2:22 PM
To: Henry, James (jhenry@gchd.us)
Subject: Water Collection Protocol for Schools
Attachments: Working Draft - DEQ Collecting Water Samples at Schools 10_26_15.docx

Hi Jim,

Please see the attached. This is the draft protocol for collecting water samples at schools. This is the process that was used this past weekend at Freeman elementary with a couple of tweaks that we added. We met yesterday to discuss how the process went and there were some suggestions that were incorporated into this version in an effort to smooth out a couple of minor bumps.

George

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

DRAFT – WORK IN PROGRESS

Protocol for Collecting Water Samples at Schools for Lead Analysis

The following is the procedure being used by the Michigan Department of Environmental Quality to ensure samples from schools on city of Flint water are collected in a systematic, consistent manner to provide meaningful results. By following the below procedures school and health officials will have information to be able to identify and correct sources that contribute lead into drinking water. The procedures being used are:

- With the assistance from Department of Licensing and Regulatory Affairs (LARA) staff, conduct an on-site assessment of the building plumbing to identify plumbing components of concern and prioritize sample sites.
- DEQ and LARA staffs collect the samples from prioritized sites and in the sequence recommended by LARA.
- Submit the samples and appropriate paperwork to the DEQ Drinking Water Laboratory.
- Laboratory performs analysis and informs DEQ (ODWMA) staff of the results.
- DEQ informs DHHS of test results, and they jointly interpret the results.
- DHHS and DEQ staff relays the results to school officials and confers on any follow-up or corrective remedies that may be needed.

Step 1 – Prepare for On-Site Assessment

In order to assist LARA staff to identify and prioritize sample sites, school staff are being asked to compile, collect, and review any records pertaining to the building plumbing. This includes building permits, plumbing permits, as built plans, and information about the service line and all potable water pipes, fixtures and appurtenances within the building. At a minimum, a diagram of each floor layout should be provided. In addition, answers to the following questions will help streamline the on-site assessment process.

- When was the facility built?
- Have new buildings or additions been added? If so, when were they added? If built since 1986, were lead-free plumbing and solder used?
- When were the most recent plumbing repairs made and where were they located?
- What are the potable water pipes in the facility made of and what is their location? Options include: lead, brass, copper, plastic, galvanized metal and other materials. What materials were used to solder the potable water pipes in the system? Are brass taps, fittings or valves used? Note the locations.
- How many of the following outlets provide water for consumption: Bubblers, ice makers, water coolers and kitchen taps. Note their location. Include taps that might be used for making coffee or preparing formula.
- What brands and models of water coolers (cooled drinking fountains) provide

water in the facility and what is their location?

- Do faucets have accessible screens and have they been cleaned?
- Can you detect any signs of corrosion, such as leaks, rust-colored water or stains?
- Is any electrical equipment grounded to water pipes?
- Are there any records of previous water testing?

Step 2 – LARA Arranges for On-site Plumbing Assessment

LARA staff will contact school officials/staff and set a date and time for the assessment. A school representative familiar with the building layout and plumbing system should accompany LARA staff as they conduct the assessment. A room reserved for records review should also be available. If possible, a DEQ staff person will also accompany and assist LARA staff performing the on-site plumbing inspection.

As part of the on-site assessment, LARA staff should identify if there is any water treatment being done in the building, i.e., point of use (POU) or point of entry (POE).

Step 3 – LARA Prioritizes Sample Sites and Sampling Sequence

This protocol is for all faucets, taps and outlets that are used regularly by students and staff for drinking, cooking, making coffee or food preparation to be sampled. Sampling locations include:

- Drinking Fountains (both bubblers and water cooler style).
- Kitchen Sinks, faucets or taps.
- Breakroom, classroom, teachers' lounge or other sinks known to be or visibly used for consumption (water glasses or coffeemaker and/or cups are nearby).

LARA staff will assign a sample site Identification (ID) number for each sample site and will determine the order in which each site is to be sampled. The ID number will reflect the type of tap/outlet and location. Each sampling location will be documented with digital photos, if possible. Staff should record any model number of faucets, valves, etc. that are accessible to inspection. If potential brass devices are seen they should be noted.

To determine the sampling sequence, LARA staff will identify the site closest to the service line to be collected first. LARA staff will then determine the appropriate sequence/order to sample each outlet beginning closest to the water main and continuing out farther from the service line until the site the farthest away is sampled last. This will minimize the chance that the piping may be flushed by a downstream or other sample location prior to collecting the samples at that site.

LARA staff will also identify any water coolers that should have been removed under the Lead Contamination Control Act (LCCA) in 1988. The LCCA mandated the repair, replacement or recall and refund of drinking water coolers with lead-lined water tanks.

LARA staff will confirm that there are no recalled water coolers on-site. Any coolers that should have been removed will be marked for removal or replacement.

Step 4 - Labeling the Sample Sites and Preparing Labels for the Bottles

Coding Scheme for Water Outlets

A drinking water bubbler (DW) on the 2nd floor (02) of the middle school (MID), the 15th outlet counted, might be coded as follows.

- MID- 02- DW-015
- DW= drinking water bubbler
- WC = water cooler (chiller unit)
- CF = classroom faucet
- KC = kitchen faucet, cold
- KH = kitchen faucet, hot
- EC = home economics room, cold
- EH = home economics room sink, hot
- BF = bathroom faucet
- NS = nurse's office sink
- SC = service connector

In addition to the unique outlet code, a unique sample identifier is necessary since four samples will be taken from each outlet.

For example, the first draw (P1) and flush (F1) samples taken for the above outlet would be MID- 02- DW-015-P-01, and MID- 02- DW-015-F-01.

- P = primary (first draw) sample – P1 and P2
- F = flush
- 01 = first flush sample at 30 seconds
- 02 = second flush sample at 2 minutes

Step 5 – Prior to Sample Collection

Once LARA staff has labeled each outlet, school personnel should ensure that the labels are maintained. Even after the initial sampling, it will be important to keep a record of each tap designation so that any future or follow-up sampling can be correlated to the correct outlet. Digital photos will assist with this if necessary.

Also, since drinking water has not been consumed from taps within the school buildings for several weeks, it is important to flush the taps the day prior to the sampling. For purposes of these sampling events, at the time of the on-site assessment LARA staff will ensure that each sampling location is run for two minutes to clear the faucet. This should be sufficient as long as the sampling teams are scheduled to arrive the next day to collect samples.

Each outlet should be labeled and posted “**DO NOT USE**” so that no water is used before sampling occurs. The sample sequence will be determined by LARA so that sampling will occur closest to the water main/service line provided by the city.

Step 6 – Collect the Samples

After the sites and order of collection have been determined by LARA staff, and the taps flushed, samples will be collected the next day by DEQ and LARA staff. School personnel will be notified to ensure water is not used in the building. (Scheduling for sampling should confirm that there are no evening activities in the building or on-site the night before sampling). In addition, no outlets or water should be used in the building until sampling is completed. Use of bathrooms, etc. could draw fresh water through the piping system and alter the effects of stagnation.

Sampling containers will be provided to by the DEQ Drinking Water Laboratory.

1. Four samples will be collected from each designated sample site. There will be four 125 milliliter (ml) samples collected at each outlet. Sample units for this evaluation/survey will be designated 32CC.
2. Collect all water samples before any water is used. Ideally, the water should sit in the pipes unused for at least 8 hours but not more than 18 hours before a sample is collected.
3. Notes should be taken at each sampling location regarding any treatment device that may be present (e.g., is there an in-line filter at that location) and whether the outlet/tap has an aerator present. Document other noteworthy items for each location.
4. Do not remove the aerator if there is one.
5. Assign an appropriate sample Identification (ID) number to each sample collected. Record this number (including the flush time) on the sample container and the request for water analysis form.
6. The four samples from each site are to be collected as follows: 2 – consecutive first draw samples, after a 30 second flush, and a 2 minute flush as follows:
 - a. After the appropriate 8 – 18 hour stagnation time, place the first bottle under the tap, open the tap to produce a slow, steady “pencil thin” flow and fill the first bottle to the appropriate level and immediately fill a second bottle without a break in stream (do not turn off the tap between the first and second bottle and do not allow water to run down the drain in between the first and second bottle).
 - b. Turn off tap. Cap, label the first and second bottles, and record sample information on the request for water analysis form.
 - c. Mark the cap of the first bottle with a sharpie indicating #1.
 - d. Mark the cap of the second bottle with a sharpie indicating #2.
 - e. Turn on tap as before and after 30 seconds, fill the third bottle.
 - f. Turn off tap. Cap, label bottle, and record sample information on the request for water analysis form. Mark the cap of the third bottle with a sharpie indicating #3.
 - g. Turn on tap as before and after 2 minutes, fill the fourth bottle.

- h. Turn off tap. Cap, label bottle, and record sample information on the request for water analysis form. Mark the cap of the fourth bottle with a sharpie indicating #4.
7. Make sure to mark the bottles as "P1" first draw 1, P2 "first draw 2", F01 "30 sec flush" or F02 "2 min flush" and also indicate this information on the request for water analysis form.
8. Secure the appropriate request for water analysis form to the appropriate bottle (refer to the example bottle provided for "instructions") with a rubber band.
9. Bundle the four samples collected at each individual sampling location (after the proper paperwork has been banded to each bottle) and secure the four samples together with a single rubber band.
10. Collect the remainder of the samples from all designated sites in the pre-determined order as recommended by LARA.
11. Deliver the samples to the lab.

How to Collect an Initial (First Draw) Sample

- Make sure you have clean hands.
- Complete the sample recording form.
- Only use containers (125 ml) supplied by the DEQ Drinking Water Laboratory.
- Containers should not be opened until you are ready to collect the sample.
- Sampling containers that have been compromised in any way, e.g., by being touched on the threads or the interior surfaces, must not be used.
- Keep food and drink away from the sample and its container.
- Make sure no water has been withdrawn from the tap or water fountain before you collect the sample.
- Place the container under the faucet or drinking water fountain that is being tested and collect 125 ml of water.
- If a faucet is being tested make sure you turn on the cold water tap.
- Turn on the water and fill the container without allowing any water to run down the drain.
- Make sure the container is labeled with the same information as the request for water analysis form.
- Deliver samples to the lab promptly.

How to Collect Flush Samples

Before the first flush sample is collected, allow the water to run down the drain for 30 seconds. Then collect a sample using the same protocol as above. Do not turn off the tap or adjust the flow of water between the "flush" and collecting the sample.

Before the second flush sample is collected, allow the water to run down the drain for 2 minutes. Then collect a sample using the same protocol as above. Do not turn off the tap or adjust the flow of water between the “flush” and collecting the sample.

Step 6 – Consecutive/Sequential Samples

Once all 125 ml samples have been obtained, sampling will begin to collect ten consecutive/sequential 1 liter samples at three locations.

Depending on the number of sampling taps in the building, select three locations as follows:

1. For a location close to the water main service: choose an outlet that is within 4 to 6 taps away from the water main. Do not use a tap that is closer than recommended to the water main.
2. For a mid-point location: choose an outlet this is within +/- 5 taps in the middle of the longest pipe run. This may or may not be the mid-point of a building or floor.
3. For an endpoint tap: select an outlet that is 3 to 4 taps from the identified end of the plumbing pipe run.

To collect ten consecutive/sequential 1 liter samples:

1. Begin sampling the first liter bottle as a first draw sample. Label the cap #1.
2. Fill ten 1 liter bottles consecutively without letting the water run down the drain.
3. Label each bottle cap with the number of the bottle in sequence.
4. Fill out a request for water analysis form for each bottle. Analysis code is 36CC.
5. Wrap each request for water analysis form around the appropriate bottle and use a rubber band to secure it.
6. Deliver the sample bottles to the DEQ Drinking Water Laboratory.

Step 7 - Laboratory Performs Analysis

Samples delivered to the DEQ Drinking Water Laboratory will be analyzed in accordance with the Laboratory Services Standard Operating Procedure Document SOP #800 Revision #4 Effective Date 10/2015.

Applicable analytical methods will be in accordance with the Method for Determination of Metals in Environmental Samples, Supplement I, U.S. Environmental Protection Agency, Method 200.8, 1999 Revision 5.5.

All Method Detection Limits shall be performed according to the Code of Federal Regulations, Title 40, Part 136, Appendix B.

Analytical quality control will be in accordance with SOP #800 Revision #4.

Step 8 – Laboratory reports results to DEQ – ODWMA and DHHS staff

From: Krisztian, George (DEQ)
Sent: Tuesday, October 27, 2015 3:59 PM
To: Graham, Lois (DEQ)
Subject: RE: meeting tomorrow about Flint & water sample results

OK I think I got it now. The meeting that I was talking about was probably my standing Tuesday morning meeting with Shelly and Linda.

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

From: Graham, Lois (DEQ)
Sent: Tuesday, October 27, 2015 3:33 PM
To: Krisztian, George (DEQ)
Subject: RE: meeting tomorrow about Flint & water sample results

Sorry, I recall from yesterday you had scheduled a meeting to discuss the sample results – you sent us the spreadsheet for review. I see where the problem plumbing is located by sample tap. Perhaps you were discussing a teleconference with the Superintendent and others? Just making sure I am not missing anything.

From: Krisztian, George (DEQ)
Sent: Tuesday, October 27, 2015 3:28 PM
To: Graham, Lois (DEQ)
Subject: RE: meeting tomorrow about Flint & water sample results

Hi Lois,

I'm not sure I know which meeting you are talking about. I don't have anything like that on my calendar for tomorrow

George

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

From: Graham, Lois (DEQ)
Sent: Tuesday, October 27, 2015 3:24 PM

To: Krisztian, George (DEQ)

Subject: meeting tomorrow about Flint & water sample results

George:

I didn't get invited to the meeting to discuss water sample results. Do you want me to attend for any of it tomorrow?

When does the team get together next before this weekend, or do you just send out an email with the details, meeting place(s), etc.

Lois Elliott Graham, R.S., M.S.A.
Office of Drinking Water & Municipal Assistance
Field Operations Section
Contamination Investigation Program
P.O. Box 30241
Lansing, Michigan 48909-7741
Office: 517-284-6530
Fax: 517-241-1328
grahaml@michigan.gov
4-South, Pillar N8



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From: Krisztian, George (DEQ)
Sent: Wednesday, October 28, 2015 7:56 AM
To: Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ)
Subject: FW: DRAFT DELIBERATIVE. Daily update
Importance: High

Governor's update for Wednesday October 28, 2015

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

From: Shekter Smith, Liane (DEQ)
Sent: Tuesday, October 27, 2015 5:30 PM
To: Krisztian, George (DEQ)
Cc: Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ); Sygo, Jim (DEQ); Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ); Benzie, Richard (DEQ); Prysby, Mike (DEQ)
Subject: DRAFT DELIBERATIVE. Daily update

Action Step 7: Meet with DHHS and discuss all lead education material for schools
 The meeting was held on 10/27/15 and action items were created.

Action Step 14: Develop childcare facility guidance or review DHHS related materials

DEQ met with DHHS staff to review and further develop guidance and incorporate drinking water exposure information. Guidance is being provided by DHHS specific to the County emergency order and separate guidance for statewide use will also be developed.

Action Step 9: Review construction permit application and issue construction permit for phosphate equipment.

Lansing District office received updated dosage, pump specifications and cut-sheets for phosphate product late Tuesday. A quick glance at the submittal shows most of the requested information has been provided except for NSF 60 certification and max dose. Staff will cross reference the NSF website to verify proper certification and maximum dose. If acceptable, staff will proceed with issuance of the Act 399 permit, otherwise, the consultant will need to provide us with the NSF Standard 60 certification and maximum dose information.

Action Step 12: Contact city of Flint for Service Line Record status update and obtain a copy of the records to date.

Staff have cross referenced 46 of the 326 historical lead and copper monitoring sampling sites with the service line index card information, 10,895 records.

Additional Action Items:

Preliminary follow-up review of sampling event at Freeman Elementary:

DEQ and DLARA staff met and reviewed outlet/tap materials to correlate with sample results. Contacted Jim Henry, Genesee County Health Department to confirm location of screening samples. Draft write up to be completed by DEQ staff on 10/28.

The weekly meeting between DEQ, DLARA and DHHS was held. Discussion topics included a review of the results for Freeman Elementary along with discussion of what the results meant and how the data would be presented to the Flint Schools Superintendent so that the information could be used to create an action plan for the school. Discussion also included working out the logistics for conducting the plumbing evaluation and subsequent sampling for the other two Elementary Schools that had results above the action level during the initial screen of 13 schools. Plans are in process to conduct these two plumbing evaluations on Friday October 30, 2015 with the sampling to take place the following day.

Liane J. Shekter Smith, P.E.
Assistant to Chief Deputy Director Jim Sygo
Michigan Department of Environmental Quality
517-284-6543

From: Krisztian, George (DEQ)
Sent: Friday, October 30, 2015 8:12 AM
To: Shane, Kirby (DEQ)
Cc: Smith, Carol (DEQ); Pieper, Julia (DEQ); Graham, Lois (DEQ); Prysby, Mike (DEQ); Devereaux, Tracy Jo (DEQ); Tommasulo, Karen (DEQ)
Subject: RE: Sample bottles

Great!

I have a meeting in Flint today and I will try to swing by on my way back to Con Hall.

George

From: Shane, Kirby (DEQ)
Sent: Friday, October 30, 2015 8:07 AM
To: Krisztian, George (DEQ)
Cc: Smith, Carol (DEQ); Pieper, Julia (DEQ)
Subject: Sample bottles

George – We have the sampling kits for this weekend ready to go. There are a few boxes, plastic tubs, and paperwork on one of our flatbed carts.

Kirby Shane
Chief, Inorganic Unit
Laboratory Services
MichiganDEQ
shane@michigan.gov
517.335.9888

From: Krisztian, George (DEQ)
Sent: Friday, October 30, 2015 8:35 AM
To: Shane, Kirby (DEQ)
Subject: RE: Sample bottles

I don't think so. The sampling event will likely be about 7 hours excluding travel so I will be pretty tired by then.

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

From: Shane, Kirby (DEQ)
Sent: Friday, October 30, 2015 8:33 AM
To: Krisztian, George (DEQ)
Subject: RE: Sample bottles

Ok. Will you be logging samples into LIMS when you return like last weekend?

Thanks,

Kirby Shane
Chief, Inorganic Unit
Laboratory Services
MichiganDEQ
shanek@michigan.gov
517.335.9888

From: Krisztian, George (DEQ)
Sent: Friday, October 30, 2015 8:23 AM
To: Shane, Kirby (DEQ)
Subject: RE: Sample bottles

Kirby,

Given that there will be two schools plus the 1 liter bottles, we will need to stack the tubs in the back of my car on the trip back. I will need either a roll of paper towels or aluminum foil or something similar that I can use to separate the tubs and avoid contamination.

Thanks George

From: Shane, Kirby (DEQ)
Sent: Friday, October 30, 2015 8:07 AM
To: Krisztian, George (DEQ)

Cc: Smith, Carol (DEQ); Pieper, Julia (DEQ)

Subject: Sample bottles

George – We have the sampling kits for this weekend ready to go. There are a few boxes, plastic tubs, and paperwork on one of our flatbed carts.

Kirby Shane
Chief, Inorganic Unit
Laboratory Services
MichiganDEQ
shanek@michigan.gov
517,335,9888

From: Krisztian, George (DEQ)
Sent: Friday, October 30, 2015 5:05 PM
To: Sygo, Jim (DEQ)
Subject: FW: Preliminary and Deliberative - Not Subject to FOIA : Detection Limit Question

FYI

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

From: Shane, Kirby (DEQ)
Sent: Friday, October 30, 2015 4:21 PM
To: Groetsch, Kory J. (DHHS)
Cc: Dykema, Linda D. (DHHS); Krisztian, George (DEQ); Priem, Wesley F. (DHHS)
Subject: RE: Preliminary and Deliberative - Not Subject to FOIA : Detection Limit Question

Hi Kory -- The answer to your question below is no. Lead and Copper are the only results reported. Let me take a look at your previous email's question again. My schedule has been pretty full this week and will be next week. I appreciate your patience.

Thanks!

Kirby Shane
 Chief, Inorganic Unit
 Laboratory Services
 MichiganDEQ
shanek@michigan.gov
 517.335.9888

From: Groetsch, Kory J. (DHHS)
Sent: Thursday, October 29, 2015 5:19 PM
To: Shane, Kirby (DEQ)
Cc: Dykema, Linda D. (DHHS); Krisztian, George (DEQ); Priem, Wesley F. (DHHS)
Subject: FW: Preliminary and Deliberative - Not Subject to FOIA : Detection Limit Question

Hi Kirby,

In addition to answering the question from the previous e-mails, I am hoping you can also answer a question related to the DEQ "lead/copper for corrosion control" drinking water test.

We would like to know what additional water quality parameters, if any, are reported with the Pb/Cu results of the "lead/copper for corrosion control" drinking water test. Specifically, does the DEQ lab report include results for

parameters such as pH, alkalinity, hardness, chlorine or phosphate levels when a citizen requests a "lead/copper for corrosion control" analysis.

Thank you,

Kory Groetsch, MS , Manager
 Toxicology and Response Section
 Michigan Dept of Health and Human Services (MDHHS)
 201 Townsend St.
 Lansing, MI 48913
 517-335-9935
groetschk@michigan.gov

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From: Krisztian, George (DEQ)
Sent: Wednesday, October 14, 2015 7:11 AM
To: Groetsch, Kory J. (DHHS)
Cc: Dykema, Linda D. (DHHS); Shane, Kirby (DEQ)
Subject: RE: Preliminary and Deliberative - Not Subject to FOIA : Detection Limit Question

Hi Kory,

I can speak to your first question. Drinking Water is a very straight forward matrix that is easily analyzed by ICP/MS. We typically do not have to qualify the data very often.

I have copied Kirby Shane on this e-mail. He is the Inorganics Unit Supervisor and he can assist you with your questions. Please note that the terms that we use in the SOP are program specific as I am sure that the terms that you use are specific to your program. Kirby can assist you in creating a bridge between the terms that we use. Please note however that these terms cannot be changed in the SOP as they are the terms that are used for compliance under the Safe Drinking Water Act.

George

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

From: Groetsch, Kory J. (DHHS)
Sent: Tuesday, October 13, 2015 5:48 PM
To: Krisztian, George (DEQ)

Cc: Dykema, Linda D. (DHHS)

Subject: Preliminary and Deliberative - Not Subject to FOIA : Detection Limit Question

Hi George,

Can you have one of your staff provide us some more detailed understanding of the analytical detection limitations associated with Pb in drinking water analysis (SOP #800 Rev. #4)?

What are the detection limits associated with this analytical method? (e.g. Method detection limit, limit of quantification, and/or reporting limit)

Do you expect interferences in drinking water samples? In other words, should we expect a lot of data that is flagged?

To help us speak the same language, below are some definitions of "detection limit". For each detection limit related to this Pb SOP, it would be helpful if you described what the value represents or refer to one of these definitions:

- (1) the point where a substance will be detected, but not quantitated (e.g., Method Detection Limit; MDL);
- (2) the lowest concentration at which the analyte can be accurately quantitated (e.g., Minimum Level; ML);
- (3) the lowest level of an analyte that can be determined by an instrument ignoring the possibility of analyte loss/contamination through sample pretreatment procedures (e.g., Instrument Detection Limit; IDL);
- (4) the lowest level in the calibration range.

Thank you.

Kory Groetsch, MS , Manager
Toxicology and Response Section
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201 Townsend St.
Lansing, MI 48913
517-335-9935
groetschk@michigan.gov

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From: Krisztian, George (DEQ)
Sent: Monday, November 02, 2015 8:30 AM
To: Thelen, Mary Beth (DEQ)
Subject: FW: Governor's Update ofr November 2, 2015
Attachments: Governor's update November 2, 2015.docx

Please see attached.

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

Action Step 8: Review corrosion control treatment plan and get any EPA comments.

Comments received late today from EPA were addressed and the letter to the city regarding operational and monitoring conditions related to corrosion control was finalized. An electronic copy of the letter was sent to the city of Flint and EPA.

Action Step 16: Confirm plumbing assessment and sampling is scheduled for Brownell and Eisenhower Elementary Schools:

Additional Action Steps

Staff from DLARA and DEQ conducted plumbing assessments at both Brownell and Eisenhower Elementary Schools Friday October 30, 2015. Sampling taps were identified and labeled. Based on the plumbing assessment a sampling sequence was recommended for each school.

DEQ Flint Action Plan Coordinator George Krisztian and DEQ Public Information Officer Karen Tommasulo met with representatives of DLARA, DHHS, and city of Flint officials including Mayor Dayne Walling to discuss progress made since the last meeting and to discuss actions to come in the coming week. Topics included the issuance of a construction permit that would enable the city of Flint to provide supplemental phosphate addition to the water coming from Detroit. A high level summary regarding the progress of the testing for lead in drinking water in the Flint schools was provided with a subsequent discussion by the group as a whole. Mayor Walling inquired as to how remediation of the schools would be funded and he was informed that funding was outside the purview of the initial assessment.

Staff from DEQ and DLARA conducted water sampling at Brownell STEM Academy and Eisenhower Elementary on Saturday October 31, 2015. In addition staff went back to Freeman Elementary to pull sequential samples as per comments from EPA regarding DEQ's sampling protocol. The sequential samples were also taken at Brownell and Eisenhower. Complete sampling protocols have now been conducted at 3 Flint schools. There were a total of 374 samples taken at the three schools on Saturday.

As provided by MDHHS, the purchased total water filter/pitcher distribution for the period of 10/6/15 thru 10/29/15 is 9,880 units.

From: Krisztian, George (DEQ)
Sent: Monday, November 02, 2015 1:36 PM
To: Shekter Smith, Liane (DEQ)
Cc: Shaler, Karen (DEQ); Sygo, Jim (DEQ); Busch, Stephen (DEQ); Benzie, Richard (DEQ); Prysby, Mike (DEQ)
Subject: RE: 2015-10-26 DRAFT Action Steps Week of November 2-6
Attachments: 2015-10-26 DRAFT Action Steps Week of November 2-6.docx

I added the word "assist" to Action Item #3 to make it clear what our role was.

George

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

From: Shekter Smith, Liane (DEQ)
Sent: Monday, November 02, 2015 12:40 PM
To: Krisztian, George (DEQ)
Cc: Shaler, Karen (DEQ); Sygo, Jim (DEQ); Busch, Stephen (DEQ); Benzie, Richard (DEQ); Prysby, Mike (DEQ)
Subject: 2015-10-26 DRAFT Action Steps Week of November 2-6

Suggested draft Action Steps attached.

City of Flint Water Action Steps for Week of November 2 - 6

Step No.	Action Step	Involved Parties	DEQ Point(s) of Contact	Status
1.	Conduct After Action Plan	DEQ	George Krisztian	
2.	Introduce legislative changes to Part 54 of NREPA – Drinking Water Revolving Loan Fund	DEQ, Treasury, and EPA	Maggie Pallone George Krisztian Sonya Butler	
3.	Assist After Action Review Panel	DEQ	Madhu Anderson George Krisztian Karen Tommasulo	
4.	Staff hiring plan	DEQ	Jim Sygo Maggie Pallone George Krisztian	
5.	Finalize fiscal year 2017 budget request	DEQ	Maggie Pallone George Krisztian	
6.	Meeting(s) with school staff/management	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
7.	Contact DHHS regarding lead education material for schools. Provide information as requested by DHHS.	DEQ and DHHS	Jim Sygo Steve Busch Pat Cook Mike Prysby	
8.	Follow up with City regarding corrosion control treatment and their plans to address requirements and options provided for in DEQ letter.	DEQ and EPA	Jim Sygo Steve Busch Pat Cook Mike Prysby	
9.	E-mail City regarding timing to install corrosion control now that the construction permit has been issued.	DEQ	Jim Sygo Steve Busch Pat Cook Mike Prysby	
10.	Review MOR for Standby Operation of Flint Water Treatment Plant with	DEQ and Flint	Jim Sygo Steve Busch	

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Step No.	Action Step	Involved Parties	DEQ Point(s) of Contact	Status
	city of Flint. Draft letter to City documenting Standby Operation Requirements.		Pat Cook Mike Prysby	
11.	Work with Karegnondi Water Authority (KWA) and other agencies to address bottleneck issues. Check weekly for status update.	DEQ and KWA	Jim Sygo Steve Busch Pat Cook Mike Prysby	
12.	Continue evaluating city of Flint Service Line Record status and comparison to sampling pool.	DEQ and Flint	Jim Sygo Steve Busch Pat Cook Mike Prysby	
13.	Provide DHHS with any available cross-reference information regarding lead service lines and plumbing materials.	DEQ and DHHS	Jim Sygo Steve Busch Pat Cook Mike Prysby	
14.	Develop childcare facility guidance or review DHHS related materials	DEQ and DHHS	Jim Sygo Steve Busch Pat Cook Mike Prysby	
15.	Develop draft sampling protocol for residential exposure assessment for DHHS.	DEQ and DHHS	Jim Sygo Steve Busch Pat Cook Mike Prysby	
16.	Make progress on drafting a generic school sampling guidance document for statewide distribution. Target audience: schools served by municipal water.	DEQ and LARA	Jim Sygo Steve Busch Richard Benzie	
17.	Attend meeting arranged by DHHS regarding Residential EBL Investigations and Water Testing	DEQ and DHHS	Jim Sygo Steve Busch Mike Prysby	

From: Krisztian, George (DEQ)
Sent: Wednesday, November 04, 2015 9:08 AM
To: Pieper, Julia (DEQ);Shane, Kirby (DEQ);Smith, Carol (DEQ)
Subject: RE: DHHS samples

Importance: High

Please make these a priority. These should be run ASAP. Please let me review the data before sending out.

Thank you!
 George

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

From: Pieper, Julia (DEQ)
Sent: Wednesday, November 04, 2015 9:05 AM
To: Krisztian, George (DEQ)
Subject: RE: DHHS samples

Yes, all from 829 Wellington. Mike Gravlin is the DHHS contact.

Julia Pieper
 Drinking Water Coordinator
 Organic Sub-Unit Manager
 DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
 (517)-335-8075 phone
 (517)-335-8562 fax

From: Krisztian, George (DEQ)
Sent: Wednesday, November 04, 2015 8:36 AM
To: Pieper, Julia (DEQ); Smith, Carol (DEQ); Shane, Kirby (DEQ)
Subject: RE: DHHS samples
Importance: High

Were these from DHHS?

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

From: Pieper, Julia (DEQ)
Sent: Tuesday, November 03, 2015 3:00 PM
To: Smith, Carol (DEQ); Shane, Kirby (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: DHHS samples
Importance: High

These samples arrived today: LF90213-90220

Julia Pieper
 Drinking Water Coordinator
 Organic Sub-Unit Manager
 DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
 (517)-335-8076 phone
 (517)-335-8562 fax

From: Smith, Carol (DEQ)
Sent: Wednesday, October 21, 2015 6:02 AM
To: Pieper, Julia (DEQ); Shane, Kirby (DEQ)
Subject: FW: DHHS samples

FYI

Kirby
 When these come in please get me the LF numbers and I will put a hold on them.

Carol Smith
 MDEQ Laboratory
 Organic Unit Manager
 517-335-9550
smithc@mi.gov

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 4:03 PM
To: Smith, Carol (DEQ)
Subject: RE: DHHS samples

Yes, but it will be very short lived in nature. I just need to be able to have a conversation with Linda about the results and then we should be able to report them out.

George

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

From: Smith, Carol (DEQ)
Sent: Tuesday, October 20, 2015 3:48 PM

To: Krisztian, George (DEQ)
Subject: RE: DHHS samples

So we need to put a hold on those reports?

Carol Smith
 MDEQ Laboratory
 Organic Unit Manager
 517-335-9550
smithc@mi.gov

From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 3:42 PM
To: Lundy, Anastasia (DEQ); Shane, Kirby (DEQ)
Cc: Dykema, Linda D. (DHHS); Sygo, Jim (DEQ); Smith, Carol (DEQ)
Subject: DHHS samples

Anastasia and Kirby,

I just got done speaking with Linda about a home in Flint that will be undergoing a review by DHHS to determine the source of lead exposure in the home.

DHHS will be pulling the water samples and for the purposes of this investigation DHHS is the client. There will be 6 samples total 3 first draws and 3 flushes. These samples should be paid for using the funding source that was set up for Flint residents.

Please note that these samples are a sort of Hybrid and do not fit into the norm of the regular Flint samples. They should have the regular paperwork that would go with any routine samples and they should also get the regular routine 1 Liter bottles that would be used in everyday situations. We will evaluate this process afterwards to determine if there is a better way to handle future investigations that DHHS might do.

Anastasia,
 Can you please provide the coding information to Linda so that DHHS can include that on the paperwork?

Kirby,
 DHHS will be delivering these samples to the DEQ Lab. Please expedite these samples and let me know when the results are complete. I want to have a discussion about the results with Linda before the reports are released.

Thanks to all,
 George

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

From: Krisztian, George (DEQ)
Sent: Thursday, November 05, 2015 8:14 AM
To: Feuerstein, Heather (DEQ);Shekter Smith, Liane (DEQ);Busch, Stephen (DEQ)
Subject: Spread Sheet for Freeman Elementary Lead and Copper Results
Attachments: Freeman Elementary Final Lead and Copper Results.xlsx

Importance: High

Attached is the spreadsheet for Freeman Elementary. Please note that the Lead Results and the Copper Results are on different tabs.

Heather will take a stab at reconciling the naming convention between the report and the spreadsheet to make it generic and easily understood to the lay person. We can then meet as a group to discuss.

Thank you!
George

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

	A	B	C	D	E
1	Sample Number	ANALYTE	RESULT	Sample Description	Site Code
2	LF88751	Lead	0.010	CF022 RM 12	P1
3	LF88752	Lead	0.003	CF022 RM 12	P2
4	LF88753	Lead	0.001	CF022 RM 12	F01
5	LF88754	Lead	0.001	CF022 RM 12	F02
6	LF88755	Lead	0.004	CF021 RM 12	P1
7	LF88756	Lead	0.007	CF021 RM 12	P2
8	LF88757	Lead	0.000	CF021 #12	F01
9	LF88758	Lead	0.000	CF021 RM 12	F02
10	LF88759	Lead	0.009	CF009 RM 5	P1
11	LF88760	Lead	0.002	CF009 RM 5	P2
12	LF88761	Lead	0.002	CF009 RM 5	F01
13	LF88762	Lead	0.001	CF009 RM 5	F02
14	LF88763	Lead	0.102	CF015 RM 11	P1
15	LF88764	Lead	0.326	CF015 RM 11	P2
16	LF88765	Lead	0.014	CF015 RM 11	F01
17	LF88766	Lead	0.011	CF015 RM 11	F02
18	LF88767	Lead	0.003	CF016 RM 11	P1
19	LF88768	Lead	0.003	CF016 RM 11	P2
20	LF88769	Lead	0.005	CF016 RM 11	F01
21	LF88770	Lead	0.004	CF016 RM 11	F02
22	LF88771	Lead	0.009	CF027 RM 21	P1
23	LF88772	Lead	0.007	CF027 RM 21	P2
24	LF88773	Lead	0.000	CF027 RM 21	F01
25	LF88774	Lead	0.000	CF027 RM 21	F02
26	LF88775	Lead	0.012	CF010 RM 6	P1
27	LF88776	Lead	0.004	CF010 RM 6	P2
28	LF88777	Lead	0.002	CF010 RM 6	F01
29	LF88778	Lead	0.000	CF010 RM 6	F02
30	LF88779	Lead	0.009	CF028 RM #21	P1
31	LF88780	Lead	0.002	CF028 RM #21	P2
32	LF88781	Lead	0.001	CF028 RM #21	F01
33	LF88782	Lead	0.001	CF028 RM #21	F02
34	LF88783	Lead	0.023	CF024 RM #19	P1
35	LF88784	Lead	0.003	CF024 RM #19	P2
36	LF88785	Lead	0.004	CF024 RM #19	F01
37	LF88786	Lead	0.003	CF024 RM #19	F02
38	LF88787	Lead	0.005	KC003 COMMUNITY ROOM	P1
39	LF88788	Lead	0.002	KC003 COMMUNITY ROOM	P2
40	LF88789	Lead	0.000	KC003 COMMUNITY ROOM	F01
41	LF88790	Lead	0.000	KC003 COMMUNITY ROOM	F02
42	LF88791	Lead	0.009	CF023 RM #19	P1

	A	B	C	D	E
43	LF88792	Lead	0.009	CF023 RM #19	P2
44	LF88793	Lead	0.001	CF023 RM #19	F01
45	LF88794	Lead	0.000	CF023 RM #19	F02
46	LF88795	Lead	0.015	DW002 HALLWAY	P1
47	LF88796	Lead	0.006	DW002 HALLWAY	P2
48	LF88797	Lead	0.004	DW002 HALLWAY	F01
49	LF88798	Lead	0.001	DW002 HALLWAY	F02
50	LF88799	Lead	0.002	CF012 RM #9	P1
51	LF88800	Lead	0.004	CF012 RM #9	P2
52	LF88801	Lead	0.002	CF012 RM #9	F01
53	LF88802	Lead	0.000	CF012 RM #9	F02
54	LF88803	Lead	0.040	DW001 HALLWAY	P1
55	LF88804	Lead	0.006	DW001 HALLWAY	P2
56	LF88805	Lead	0.004	DW001 HALLWAY	F01
57	LF88806	Lead	0.001	DW001 HALLWAY	F02
58	LF88807	Lead	0.014	CF018 RM#15	P1
59	LF88808	Lead	0.005	CF018 RM#15	P2
60	LF88809	Lead	0.002	CF018 RM#15	F01
61	LF88810	Lead	0.002	CF018 RM#15	F02
62	LF88811	Lead	0.010	CF017 RM#15	P1
63	LF88812	Lead	0.014	CF017 RM#15	P2
64	LF88813	Lead	0.002	CF017 RM#15	F01
65	LF88814	Lead	0.002	CF017 RM#15	F02
66	LF88815	Lead	0.017	CF029 DHS OFFICE	P1
67	LF88816	Lead	0.012	CF029 DHS OFFICE	P2
68	LF88817	Lead	0.002	CF029 DHS OFFICE	F01
69	LF88818	Lead	0.000	CF029 DHF OFFICE	F02
70	LF88819	Lead	0.013	CF008 RM#4	P1
71	LF88820	Lead	0.006	CF008 RM#4	P2
72	LF88821	Lead	0.001	CF008 RM#4	F01
73	LF88822	Lead	0.000	CF008 RM#4	F02
74	LF88823	Lead	0.007	CF007 RM#3	P1
75	LF88824	Lead	0.006	CF007 RM #3	P2
76	LF88825	Lead	0.003	CF007 RM#3	F01
77	LF88826	Lead	0.002	CF007 RM#3	F02
78	LF88827	Lead	0.027	CF014 ROOM #10	P1
79	LF88828	Lead	0.007	CF014- ROOM #10	P2
80	LF88829	Lead	0.004	CF014-ROOM #10	F01
81	LF88830	Lead	0.003	CF014-ROOM #10	F02
82	LF88831	Lead	0.036	CF026 ROOM #14	P1
83	LF88832	Lead	0.030	CF026 ROOM #14	P2
84	LF88833	Lead	0.017	CF026 ROOM #14	F01

	A	B	C	D	E
85	LF88834	Lead	0.004	CF026 ROOM #14	F02
86	LF88835	Lead	0.005	CF019 ROOM #17	P1
87	LF88836	Lead	0.003	CF019 ROOM #17	P2
88	LF88837	Lead	0.001	CF019 ROOM #17	F01
89	LF88838	Lead	0.000	CF019 ROOM #17	F02
90	LF88839	Lead	0.000	CF025 ROOM #14	P1
91	LF88840	Lead	0.003	CF025 ROOM #14	P2
92	LF88841	Lead	0.003	CF025 ROOM #14	F01
93	LF88842	Lead	0.002	CF025 ROOM #14	F02
94	LF88843	Lead	0.009	CF013 ROOM #10	P1
95	LF88844	Lead	0.018	CF013- ROOM #10	P2
96	LF88845	Lead	0.003	CF013 ROOM #10	F02
97	LF88846	Lead	0.003	CF013 ROOM #10	F01
98	LF88847	Lead	0.013	CF020 ROOM #17	P1
99	LF88848	Lead	0.004	CF020 ROOM #17	P2
100	LF88849	Lead	0.005	CF020 ROOM #17	F01
101	LF88850	Lead	0.003	CF020 ROOM #17	F02
102	LF88851	Lead	0.016	CF006 ROOM#2	P1
103	LF88852	Lead	0.003	CF006 ROOM #2	P2
104	LF88853	Lead	0.001	CF006 ROOM #2	F01
105	LF88854	Lead	0.001	CF006 ROOM #2	F02
106	LF88855	Lead	0.002	CF011 ROOM #7	P1
107	LF88856	Lead	0.000	CF011 ROOM #7	P2
108	LF88857	Lead	0.002	CF011 ROOM #7	F01
109	LF88858	Lead	0.000	CF011 ROOM #7	F02
110	LF88859	Lead	0.057	CF031 RAINBOW PRE K	P1
111	LF88860	Lead	0.003	CF031 RAINBOW PRE K	P2
112	LF88861	Lead	0.002	CF031 RAINBOW PRE K	F01
113	LF88862	Lead	0.000	CF031 RAINBOW PRE K	F02
114	LF88863	Lead	0.010	CF030 RAINBOW PRE K	P1
115	LF88864	Lead	0.003	CF030 RAINBOW PRE K	P2
116	LF88865	Lead	0.007	CF030 RAINBOW PRE K	F01
117	LF88866	Lead	0.000	CF030 RAINBOW PRE K	F02
118	LF88867	Lead	0.012	CF004 ROOM #1	P1
119	LF88868	Lead	0.007	CF004 ROOM #1	P2
120	LF88869	Lead	0.004	CF004 ROOM #1	F01
121	LF88870	Lead	0.002	CF004 ROOM #1	F02
122	LF88871	Lead	0.005	DW005 ROOM #1	P1
123	LF88872	Lead	0.003	DW005 ROOM #1	P2
124	LF88873	Lead	0.003	DW005 ROOM #1	F01
125	LF88874	Lead	0.002	DW005 ROOM #1	F02
126	LF89553	Lead	0.002	CF030	CA1

	A	B	C	D	E
127	LF89554	Lead	0.001	CF030	CA2
128	LF89555	Lead	0.000	CF030	CA3
129	LF89556	Lead	0.000	CF030	CA4
130	LF89557	Lead	0.000	CF030	CA5
131	LF89558	Lead	0.000	CF030	CA6
132	LF89559	Lead	0.000	CF030	CA7
133	LF89560	Lead	0.000	CF030	CA8
134	LF89561	Lead	0.000	CF030	CA9
135	LF89562	Lead	0.000	CF030	CA10
136	LF89563	Lead	0.062	CF015	CB1
137	LF89564	Lead	0.008	CF015	CB2
138	LF89565	Lead	0.008	CF015	CB3
139	LF89566	Lead	0.007	CF015	CB4
140	LF89567	Lead	0.007	CF015	CB5
141	LF89568	Lead	0.007	CF015	CB6
142	LF89569	Lead	0.007	CF015	CB7
143	LF89570	Lead	0.006	CF015	CB8
144	LF89571	Lead	0.006	CF015	CB9
145	LF89572	Lead	0.006	CF015	CB10
146	LF89573	Lead	0.002	CF027	CC1
147	LF89574	Lead	0.000	CF027	CC2
148	LF89575	Lead	0.000	CF027	CC3
149	LF89576	Lead	0.000	CF027	CC4
150	LF89577	Lead	0.000	CF027	CC5
151	LF89578	Lead	0.000	CF027	CC6
152	LF89579	Lead	0.000	CF027	CC7
153	LF89580	Lead	0.000	CF027	CC8
154	LF89581	Lead	0.000	CF027	CC9
155	LF89582	Lead	0.000	CF027	CC10
156					
157	Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting				
158					
159	Results in RED exceed 15 ppb				

	A	B	C	D	E
1	SAMPNO	ANALYTE	RESULT	Sample Description	Site Code
2	LF88751	Copper	0.32	CF022 RM 12	P1
3	LF88752	Copper	0.17	CF022 RM 12	P2
4	LF88753	Copper	0.15	CF022 RM 12	F01
5	LF88754	Copper	0.15	CF022 RM 12	F02
6	LF88755	Copper	0.09	CF021 RM 12	P1
7	LF88756	Copper	0.15	CF021 RM 12	P2
8	LF88757	Copper	0.14	CF021 #12	F01
9	LF88758	Copper	0.15	CF021 RM 12	F02
10	LF88759	Copper	0.31	CF009 RM 5	P1
11	LF88760	Copper	0.28	CF009 RM 5	P2
12	LF88761	Copper	0.08	CF009 RM 5	F01
13	LF88762	Copper	0.07	CF009 RM 5	F02
14	LF88763	Copper	0.43	CF015 RM 11	P1
15	LF88764	Copper	0.66	CF015 RM 11	P2
16	LF88765	Copper	0.19	CF015 RM 11	F01
17	LF88766	Copper	0.13	CF015 RM 11	F02
18	LF88767	Copper	0.99	CF016 RM 11	P1
19	LF88768	Copper	0.89	CF016 RM 11	P2
20	LF88769	Copper	0.16	CF016 RM 11	F01
21	LF88770	Copper	0.13	CF016 RM 11	F02
22	LF88771	Copper	0.19	CF027 RM 21	P1
23	LF88772	Copper	0.21	CF027 RM 21	P2
24	LF88773	Copper	0.16	CF027 RM 21	F01
25	LF88774	Copper	0.15	CF027 RM 21	F02
26	LF88775	Copper	0.24	CF010 RM 6	P1
27	LF88776	Copper	0.22	CF010 RM 6	P2
28	LF88777	Copper	0.17	CF010 RM 6	F01
29	LF88778	Copper	0.12	CF010 RM 6	F02
30	LF88779	Copper	0.17	CF028 RM #21	P1
31	LF88780	Copper	0.16	CF028 RM #21	P2
32	LF88781	Copper	0.15	CF028 RM #21	F01
33	LF88782	Copper	0.15	CF028 RM #21	F02
34	LF88783	Copper	0.23	CF024 RM #19	P1
35	LF88784	Copper	0.17	CF024 RM #19	P2
36	LF88785	Copper	0.16	CF024 RM #19	F01
37	LF88786	Copper	0.16	CF024 RM #19	F02
38	LF88787	Copper	0.31	KC003 COMMUNITY ROOM	P1
39	LF88788	Copper	0.27	KC003 COMMUNITY ROOM	P2
40	LF88789	Copper	0.14	KC003 COMMUNITY ROOM	F01
41	LF88790	Copper	0.13	KC003 COMMUNITY ROOM	F02
42	LF88791	Copper	0.13	CF023 RM #19	P1

	A	B	C	D	E
43	LF88792	Copper	0.18	CF023 RM #19	P2
44	LF88793	Copper	0.15	CF023 RM #19	F01
45	LF88794	Copper	0.15	CF023 RM #19	F02
46	LF88795	Copper	0.21	DW002 HALLWAY	P1
47	LF88796	Copper	0.10	DW002 HALLWAY	P2
48	LF88797	Copper	0.07	DW002 HALLWAY	F01
49	LF88798	Copper	0.00	DW002 HALLWAY	F02
50	LF88799	Copper	0.23	CF012 RM #9	P1
51	LF88800	Copper	0.16	CF012 RM #9	P2
52	LF88801	Copper	0.11	CF012 RM #9	F01
53	LF88802	Copper	0.08	CF012 RM #9	F02
54	LF88803	Copper	0.41	DW001 HALLWAY	P1
55	LF88804	Copper	0.29	DW001 HALLWAY	P2
56	LF88805	Copper	0.17	DW001 HALLWAY	F01
57	LF88806	Copper	0.00	DW001 HALLWAY	F02
58	LF88807	Copper	0.20	CF018 RM#15	P1
59	LF88808	Copper	0.17	CF018 RM#15	P2
60	LF88809	Copper	0.14	CF018 RM#15	F01
61	LF88810	Copper	0.14	CF018 RM#15	F02
62	LF88811	Copper	0.17	CF017 RM#15	P1
63	LF88812	Copper	0.29	CF017 RM#15	P2
64	LF88813	Copper	0.17	CF017 RM#15	F01
65	LF88814	Copper	0.15	CF017 RM#15	F02
66	LF88815	Copper	0.59	CF029 DHS OFFICE	P1
67	LF88816	Copper	0.40	CF029 DHS OFFICE	P2
68	LF88817	Copper	0.08	CF029 DHS OFFICE	F01
69	LF88818	Copper	0.00	CF029 DHF OFFICE	F02
70	LF88819	Copper	0.28	CF008 RM#4	P1
71	LF88820	Copper	0.54	CF008 RM#4	P2
72	LF88821	Copper	0.17	CF008 RM#4	F01
73	LF88822	Copper	0.15	CF008 RM#4	F02
74	LF88823	Copper	0.17	CF007 RM#3	P1
75	LF88824	Copper	0.27	CF007 RM #3	P2
76	LF88825	Copper	0.09	CF007 RM#3	F01
77	LF88826	Copper	0.07	CF007 RM#3	F02
78	LF88827	Copper	0.11	CF014 ROOM #10	P1
79	LF88828	Copper	0.10	CF014- ROOM #10	P2
80	LF88829	Copper	0.10	CF014-ROOM #10	F01
81	LF88830	Copper	0.08	CF014-ROOM #10	F02
82	LF88831	Copper	0.75	CF026 ROOM #14	P1
83	LF88832	Copper	0.66	CF026 ROOM #14	P2
84	LF88833	Copper	0.35	CF026 ROOM #14	F01

	A	B	C	D	E
85	LF88834	Copper	0.20	CF026 ROOM #14	F02
86	LF88835	Copper	0.16	CF019 ROOM #17	P1
87	LF88836	Copper	0.15	CF019 ROOM #17	P2
88	LF88837	Copper	0.14	CF019 ROOM #17	F01
89	LF88838	Copper	0.14	CF019 ROOM #17	F02
90	LF88839	Copper	0.14	CF025 ROOM #14	P1
91	LF88840	Copper	0.25	CF025 ROOM #14	P2
92	LF88841	Copper	0.17	CF025 ROOM #14	F01
93	LF88842	Copper	0.18	CF025 ROOM #14	F02
94	LF88843	Copper	0.06	CF013 ROOM #10	P1
95	LF88844	Copper	0.07	CF013- ROOM #10	P2
96	LF88845	Copper	0.10	CF013 ROOM #10	F02
97	LF88846	Copper	0.19	CF013 ROOM #10	F01
98	LF88847	Copper	0.19	CF020 ROOM #17	P1
99	LF88848	Copper	0.16	CF020 ROOM #17	P2
100	LF88849	Copper	0.16	CF020 ROOM #17	F01
101	LF88850	Copper	0.14	CF020 ROOM #17	F02
102	LF88851	Copper	0.17	CF006 ROOM#2	P1
103	LF88852	Copper	0.22	CF006 ROOM #2	P2
104	LF88853	Copper	0.11	CF006 ROOM #2	F01
105	LF88854	Copper	0.11	CF006 ROOM #2	F02
106	LF88855	Copper	0.20	CF011 ROOM #7	P1
107	LF88856	Copper	0.15	CF011 ROOM #7	P2
108	LF88857	Copper	0.11	CF011 ROOM #7	F01
109	LF88858	Copper	0.06	CF011 ROOM #7	F02
110	LF88859	Copper	0.38	CF031 RAINBOW PRE K	P1
111	LF88860	Copper	0.21	CF031 RAINBOW PRE K	P2
112	LF88861	Copper	0.27	CF031 RAINBOW PRE K	F01
113	LF88862	Copper	0.19	CF031 RAINBOW PRE K	F02
114	LF88863	Copper	0.38	CF030 RAINBOW PRE K	P1
115	LF88864	Copper	0.42	CF030 RAINBOW PRE K	P2
116	LF88865	Copper	0.59	CF030 RAINBOW PRE K	F01
117	LF88866	Copper	0.21	CF030 RAINBOW PRE K	F02
118	LF88867	Copper	0.27	CF004 ROOM #1	P1
119	LF88868	Copper	0.25	CF004 ROOM #1	P2
120	LF88869	Copper	0.21	CF004 ROOM #1	F01
121	LF88870	Copper	0.08	CF004 ROOM #1	F02
122	LF88871	Copper	0.10	DW005 ROOM #1	P1
123	LF88872	Copper	0.09	DW005 ROOM #1	P2
124	LF88873	Copper	0.09	DW005 ROOM #1	F01
125	LF88874	Copper	0.06	DW005 ROOM #1	F02
126	LF89553	Copper	0.45	CF030	CA1

	A	B	C	D	E
127	LF89554	Copper	0.37	CF030	CA2
128	LF89555	Copper	0.22	CF030	CA3
129	LF89556	Copper	0.22	CF030	CA4
130	LF89557	Copper	0.21	CF030	CA5
131	LF89558	Copper	0.21	CF030	CA6
132	LF89559	Copper	0.20	CF030	CA7
133	LF89560	Copper	0.20	CF030	CA8
134	LF89561	Copper	0.20	CF030	CA9
135	LF89562	Copper	0.20	CF030	CA10
136	LF89563	Copper	0.40	CF015	CB1
137	LF89564	Copper	0.14	CF015	CB2
138	LF89565	Copper	0.13	CF015	CB3
139	LF89566	Copper	0.13	CF015	CB4
140	LF89567	Copper	0.13	CF015	CB5
141	LF89568	Copper	0.13	CF015	CB6
142	LF89569	Copper	0.13	CF015	CB7
143	LF89570	Copper	0.12	CF015	CB8
144	LF89571	Copper	0.12	CF015	CB9
145	LF89572	Copper	0.12	CF015	CB10
146	LF89573	Copper	0.16	CF027	CC1
147	LF89574	Copper	0.14	CF027	CC2
148	LF89575	Copper	0.14	CF027	CC3
149	LF89576	Copper	0.14	CF027	CC4
150	LF89577	Copper	0.14	CF027	CC5
151	LF89578	Copper	0.15	CF027	CC6
152	LF89579	Copper	0.15	CF027	CC7
153	LF89580	Copper	0.15	CF027	CC8
154	LF89581	Copper	0.15	CF027	CC9
155	LF89582	Copper	0.15	CF027	CC10
156					
	Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting				
157					
158					
159	None of the results for Copper exceeded 1.3 PPM				

From: Krisztian, George (DEQ)
Sent: Thursday, November 05, 2015 8:46 AM
To: Feuerstein, Heather (DEQ)
Subject: Some Updates.
Attachments: Freeman Elementary Final Lead and Copper Results.xlsx
Importance: High

This version has a layperson's description of the site code. We can consolidate what you are doing with what I added here.

Thanks!
George

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Laboratory Director
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Desk ph (517) 284-6719
Cell ph PPI

	A	B	C	D	E	F
1	Sample Number	ANALYTE	RESULT	Sample Description	Site Code	Site Code Description
2	LF88751	Lead	0.010	CF022 RM 12	P1	First Primary draw of 125 milliliters
3	LF88752	Lead	0.003	CF022 RM 12	P2	Second Primary draw of 125 milliliters
4	LF88753	Lead	0.001	CF022 RM 12	F01	Flush Sample taken 30 Seconds after Second Primary Draw
5	LF88754	Lead	0.001	CF022 RM 12	F02	Flush Sample taken 2 minutes after First Flush Sample
6	LF88755	Lead	0.004	CF021 RM 12	P1	First Primary draw of 125 milliliters
7	LF88756	Lead	0.007	CF021 RM 12	P2	Second Primary draw of 125 milliliters
8	LF88757	Lead	0.000	CF021 #12	F01	Flush Sample taken 30 Seconds after Second Primary Draw
9	LF88758	Lead	0.000	CF021 RM 12	F02	Flush Sample taken 2 minutes after First Flush Sample
10	LF88759	Lead	0.009	CF009 RM 5	P1	First Primary draw of 125 milliliters
11	LF88760	Lead	0.002	CF009 RM 5	P2	Second Primary draw of 125 milliliters
12	LF88761	Lead	0.002	CF009 RM 5	F01	Flush Sample taken 30 Seconds after Second Primary Draw
13	LF88762	Lead	0.001	CF009 RM 5	F02	Flush Sample taken 2 minutes after First Flush Sample
14	LF88763	Lead	0.102	CF015 RM 11	P1	First Primary draw of 125 milliliters
15	LF88764	Lead	0.326	CF015 RM 11	P2	Second Primary draw of 125 milliliters
16	LF88765	Lead	0.014	CF015 RM 11	F01	Flush Sample taken 30 Seconds after Second Primary Draw
17	LF88766	Lead	0.011	CF015 RM 11	F02	Flush Sample taken 2 minutes after First Flush Sample
18	LF88767	Lead	0.003	CF016 RM 11	P1	First Primary draw of 125 milliliters
19	LF88768	Lead	0.003	CF016 RM 11	P2	Second Primary draw of 125 milliliters
20	LF88769	Lead	0.005	CF016 RM 11	F01	Flush Sample taken 30 Seconds after Second Primary Draw
21	LF88770	Lead	0.004	CF016 RM 11	F02	Flush Sample taken 2 minutes after First Flush Sample
22	LF88771	Lead	0.009	CF027 RM 21	P1	First Primary draw of 125 milliliters
23	LF88772	Lead	0.007	CF027 RM 21	P2	Second Primary draw of 125 milliliters
24	LF88773	Lead	0.000	CF027 RM 21	F01	Flush Sample taken 30 Seconds after Second Primary Draw
25	LF88774	Lead	0.000	CF027 RM 21	F02	Flush Sample taken 2 minutes after First Flush Sample
26	LF88775	Lead	0.012	CF010 RM 6	P1	First Primary draw of 125 milliliters
27	LF88776	Lead	0.004	CF010 RM 6	P2	Second Primary draw of 125 milliliters
28	LF88777	Lead	0.002	CF010 RM 6	F01	Flush Sample taken 30 Seconds after Second Primary Draw
29	LF88778	Lead	0.000	CF010 RM 6	F02	Flush Sample taken 2 minutes after First Flush Sample
30	LF88779	Lead	0.009	CF028 RM #21	P1	First Primary draw of 125 milliliters
31	LF88780	Lead	0.002	CF028 RM #21	P2	Second Primary draw of 125 milliliters
32	LF88781	Lead	0.001	CF028 RM #21	F01	Flush Sample taken 30 Seconds after Second Primary Draw
33	LF88782	Lead	0.001	CF028 RM #21	F02	Flush Sample taken 2 minutes after First Flush Sample
34	LF88783	Lead	0.023	CF024 RM #19	P1	First Primary draw of 125 milliliters

	A	B	C	D	E	F
35	LF88784	Lead	0.003	CF024 RM #19	P2	Second Primary draw of 125 milliliters
36	LF88785	Lead	0.004	CF024 RM #19	F01	Flush Sample taken 30 Seconds after Second Primary Draw
37	LF88786	Lead	0.003	CF024 RM #19	F02	Flush Sample taken 2 minutes after First Flush Sample
38	LF88787	Lead	0.005	KC003 COMMUNITY ROOM	P1	First Primary draw of 125 milliliters
39	LF88788	Lead	0.002	KC003 COMMUNITY ROOM	P2	Second Primary draw of 125 milliliters
40	LF88789	Lead	0.000	KC003 COMMUNITY ROOM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
41	LF88790	Lead	0.000	KC003 COMMUNITY ROOM	F02	Flush Sample taken 2 minutes after First Flush Sample
42	LF88791	Lead	0.009	CF023 RM #19	P1	First Primary draw of 125 milliliters
43	LF88792	Lead	0.009	CF023 RM #19	P2	Second Primary draw of 125 milliliters
44	LF88793	Lead	0.001	CF023 RM #19	F01	Flush Sample taken 30 Seconds after Second Primary Draw
45	LF88794	Lead	0.000	CF023 RM #19	F02	Flush Sample taken 2 minutes after First Flush Sample
46	LF88795	Lead	0.015	DW002 HALLWAY	P1	First Primary draw of 125 milliliters
47	LF88796	Lead	0.006	DW002 HALLWAY	P2	Second Primary draw of 125 milliliters
48	LF88797	Lead	0.004	DW002 HALLWAY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
49	LF88798	Lead	0.001	DW002 HALLWAY	F02	Flush Sample taken 2 minutes after First Flush Sample
50	LF88799	Lead	0.002	CF012 RM #9	P1	First Primary draw of 125 milliliters
51	LF88800	Lead	0.004	CF012 RM #9	P2	Second Primary draw of 125 milliliters
52	LF88801	Lead	0.002	CF012 RM #9	F01	Flush Sample taken 30 Seconds after Second Primary Draw
53	LF88802	Lead	0.000	CF012 RM #9	F02	Flush Sample taken 2 minutes after First Flush Sample
54	LF88803	Lead	0.040	DW001 HALLWAY	P1	First Primary draw of 125 milliliters
55	LF88804	Lead	0.006	DW001 HALLWAY	P2	Second Primary draw of 125 milliliters
56	LF88805	Lead	0.004	DW001 HALLWAY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
57	LF88806	Lead	0.001	DW001 HALLWAY	F02	Flush Sample taken 2 minutes after First Flush Sample
58	LF88807	Lead	0.014	CF018 RM#15	P1	First Primary draw of 125 milliliters
59	LF88808	Lead	0.005	CF018 RM#15	P2	Second Primary draw of 125 milliliters
60	LF88809	Lead	0.002	CF018 RM#15	F01	Flush Sample taken 30 Seconds after Second Primary Draw
61	LF88810	Lead	0.002	CF018 RM#15	F02	Flush Sample taken 2 minutes after First Flush Sample
62	LF88811	Lead	0.010	CF017 RM#15	P1	First Primary draw of 125 milliliters
63	LF88812	Lead	0.014	CF017 RM#15	P2	Second Primary draw of 125 milliliters
64	LF88813	Lead	0.002	CF017 RM#15	F01	Flush Sample taken 30 Seconds after Second Primary Draw
65	LF88814	Lead	0.002	CF017 RM#15	F02	Flush Sample taken 2 minutes after First Flush Sample
66	LF88815	Lead	0.017	CF029 DHS OFFICE	P1	First Primary draw of 125 milliliters
67	LF88816	Lead	0.012	CF029 DHS OFFICE	P2	Second Primary draw of 125 milliliters

	A	B	C	D	E	F
68	LF88817	Lead	0.002	CF029 DHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
69	LF88818	Lead	0.000	CF029 DHF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
70	LF88819	Lead	0.013	CF008 RM#4	P1	First Primary draw of 125 milliliters
71	LF88820	Lead	0.006	CF008 RM#4	P2	Second Primary draw of 125 milliliters
72	LF88821	Lead	0.001	CF008 RM#4	F01	Flush Sample taken 30 Seconds after Second Primary Draw
73	LF88822	Lead	0.000	CF008 RM#4	F02	Flush Sample taken 2 minutes after First Flush Sample
74	LF88823	Lead	0.007	CF007 RM#3	P1	First Primary draw of 125 milliliters
75	LF88824	Lead	0.006	CF007 RM #3	P2	Second Primary draw of 125 milliliters
76	LF88825	Lead	0.003	CF007 RM#3	F01	Flush Sample taken 30 Seconds after Second Primary Draw
77	LF88826	Lead	0.002	CF007 RM#3	F02	Flush Sample taken 2 minutes after First Flush Sample
78	LF88827	Lead	0.027	CF014 ROOM #10	P1	First Primary draw of 125 milliliters
79	LF88828	Lead	0.007	CF014- ROOM #10	P2	Second Primary draw of 125 milliliters
80	LF88829	Lead	0.004	CF014-ROOM #10	F01	Flush Sample taken 30 Seconds after Second Primary Draw
81	LF88830	Lead	0.003	CF014-ROOM #10	F02	Flush Sample taken 2 minutes after First Flush Sample
82	LF88831	Lead	0.036	CF026 ROOM #14	P1	First Primary draw of 125 milliliters
83	LF88832	Lead	0.030	CF026 ROOM #14	P2	Second Primary draw of 125 milliliters
84	LF88833	Lead	0.017	CF026 ROOM #14	F01	Flush Sample taken 30 Seconds after Second Primary Draw
85	LF88834	Lead	0.004	CF026 ROOM #14	F02	Flush Sample taken 2 minutes after First Flush Sample
86	LF88835	Lead	0.005	CF019 ROOM #17	P1	First Primary draw of 125 milliliters
87	LF88836	Lead	0.003	CF019 ROOM #17	P2	Second Primary draw of 125 milliliters
88	LF88837	Lead	0.001	CF019 ROOM #17	F01	Flush Sample taken 30 Seconds after Second Primary Draw
89	LF88838	Lead	0.000	CF019 ROOM #17	F02	Flush Sample taken 2 minutes after First Flush Sample
90	LF88839	Lead	0.000	CF025 ROOM #14	P1	First Primary draw of 125 milliliters
91	LF88840	Lead	0.003	CF025 ROOM #14	P2	Second Primary draw of 125 milliliters
92	LF88841	Lead	0.003	CF025 ROOM #14	F01	Flush Sample taken 30 Seconds after Second Primary Draw
93	LF88842	Lead	0.002	CF025 ROOM #14	F02	Flush Sample taken 2 minutes after First Flush Sample
94	LF88843	Lead	0.009	CF013 ROOM #10	P1	First Primary draw of 125 milliliters
95	LF88844	Lead	0.018	CF013- ROOM #10	P2	Second Primary draw of 125 milliliters
96	LF88845	Lead	0.003	CF013 ROOM #10	F02	Flush Sample taken 30 Seconds after Second Primary Draw
97	LF88846	Lead	0.003	CF013 ROOM #10	F01	Flush Sample taken 2 minutes after First Flush Sample
98	LF88847	Lead	0.013	CF020 ROOM #17	P1	First Primary draw of 125 milliliters
99	LF88848	Lead	0.004	CF020 ROOM #17	P2	Second Primary draw of 125 milliliters
100	LF88849	Lead	0.005	CF020 ROOM #17	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
101	LF88850	Lead	0.003	CF020 ROOM #17	F02	Flush Sample taken 2 minutes after First Flush Sample
102	LF88851	Lead	0.016	CF006 ROOM#2	P1	First Primary draw of 125 milliliters
103	LF88852	Lead	0.003	CF006 ROOM #2	P2	Second Primary draw of 125 milliliters
104	LF88853	Lead	0.001	CF006 ROOM #2	F01	Flush Sample taken 30 Seconds after Second Primary Draw
105	LF88854	Lead	0.001	CF006 ROOM #2	F02	Flush Sample taken 2 minutes after First Flush Sample
106	LF88855	Lead	0.002	CF011 ROOM #7	P1	First Primary draw of 125 milliliters
107	LF88856	Lead	0.000	CF011 ROOM #7	P2	Second Primary draw of 125 milliliters
108	LF88857	Lead	0.002	CF011 ROOM #7	F01	Flush Sample taken 30 Seconds after Second Primary Draw
109	LF88858	Lead	0.000	CF011 ROOM #7	F02	Flush Sample taken 2 minutes after First Flush Sample
110	LF88859	Lead	0.057	CF031 RAINBOW PRE K	P1	First Primary draw of 125 milliliters
111	LF88860	Lead	0.003	CF031 RAINBOW PRE K	P2	Second Primary draw of 125 milliliters
112	LF88861	Lead	0.002	CF031 RAINBOW PRE K	F01	Flush Sample taken 30 Seconds after Second Primary Draw
113	LF88862	Lead	0.000	CF031 RAINBOW PRE K	F02	Flush Sample taken 2 minutes after First Flush Sample
114	LF88863	Lead	0.010	CF030 RAINBOW PRE K	P1	First Primary draw of 125 milliliters
115	LF88864	Lead	0.003	CF030 RAINBOW PRE K	P2	Second Primary draw of 125 milliliters
116	LF88865	Lead	0.007	CF030 RAINBOW PRE K	F01	Flush Sample taken 30 Seconds after Second Primary Draw
117	LF88866	Lead	0.000	CF030 RAINBOW PRE K	F02	Flush Sample taken 2 minutes after First Flush Sample
118	LF88867	Lead	0.012	CF004 ROOM #1	P1	First Primary draw of 125 milliliters
119	LF88868	Lead	0.007	CF004 ROOM #1	P2	Second Primary draw of 125 milliliters
120	LF88869	Lead	0.004	CF004 ROOM #1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
121	LF88870	Lead	0.002	CF004 ROOM #1	F02	Flush Sample taken 2 minutes after First Flush Sample
122	LF88871	Lead	0.005	DW005 ROOM #1	P1	First Primary draw of 125 milliliters
123	LF88872	Lead	0.003	DW005 ROOM #1	P2	Second Primary draw of 125 milliliters
124	LF88873	Lead	0.003	DW005 ROOM #1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
125	LF88874	Lead	0.002	DW005 ROOM #1	F02	Flush Sample taken 2 minutes after First Flush Sample
126	LF89553	Lead	0.002	CF030	CA1	First Sequential Sample
127	LF89554	Lead	0.001	CF030	CA2	Second Sequential Sample
128	LF89555	Lead	0.000	CF030	CA3	Third Sequential Sample
129	LF89556	Lead	0.000	CF030	CA4	Forth Sequential Sample
130	LF89557	Lead	0.000	CF030	CA5	Fifth Sequential Sample
131	LF89558	Lead	0.000	CF030	CA6	Sixth Sequential Sample
132	LF89559	Lead	0.000	CF030	CA7	Seventh Sequential Sample
133	LF89560	Lead	0.000	CF030	CA8	Eigth Sequential Sample
134	LF89561	Lead	0.000	CF030	CA9	Ninth Sequential Sample
135	LF89562	Lead	0.000	CF030	CA10	Tenth Sequential Sample
136	LF89563	Lead	0.062	CF015	CB1	First Sequential Sample

	A	B	C	D	E	F
137	LF89564	Lead	0.008	CF015	CB2	Second Sequential Sample
138	LF89565	Lead	0.008	CF015	CB3	Third Sequential Sample
139	LF89566	Lead	0.007	CF015	CB4	Forth Sequential Sample
140	LF89567	Lead	0.007	CF015	CB5	Fifth Sequential Sample
141	LF89568	Lead	0.007	CF015	CB6	Sixth Sequential Sample
142	LF89569	Lead	0.007	CF015	CB7	Seventh Sequential Sample
143	LF89570	Lead	0.006	CF015	CB8	Eigth Sequential Sample
144	LF89571	Lead	0.006	CF015	CB9	Ninth Sequential Sample
145	LF89572	Lead	0.006	CF015	CB10	Tenth Sequential Sample
146	LF89573	Lead	0.002	CF027	CC1	First Sequential Sample
147	LF89574	Lead	0.000	CF027	CC2	Second Sequential Sample
148	LF89575	Lead	0.000	CF027	CC3	Third Sequential Sample
149	LF89576	Lead	0.000	CF027	CC4	Forth Sequential Sample
150	LF89577	Lead	0.000	CF027	CC5	Fifth Sequential Sample
151	LF89578	Lead	0.000	CF027	CC6	Sixth Sequential Sample
152	LF89579	Lead	0.000	CF027	CC7	Seventh Sequential Sample
153	LF89580	Lead	0.000	CF027	CC8	Eigth Sequential Sample
154	LF89581	Lead	0.000	CF027	CC9	Ninth Sequential Sample
155	LF89582	Lead	0.000	CF027	CC10	Tenth Sequential Sample
156						
	Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting					
157						
158						
159	Results in RED exceed 15 ppb					

	A	B	C	D	E	F
1	Sample Number	ANALYTE	RESULT	Sample Description	Site Code	Site Code Description
2	LF88751	Copper	0.32	CF022 RM 12	P1	First Primary draw of 125 milliliters
3	LF88752	Copper	0.17	CF022 RM 12	P2	Second Primary draw of 125 milliliters
4	LF88753	Copper	0.15	CF022 RM 12	F01	Flush Sample taken 30 Seconds after Second Primary Draw
5	LF88754	Copper	0.15	CF022 RM 12	F02	Flush Sample taken 2 minutes after First Flush Sample
6	LF88755	Copper	0.09	CF021 RM 12	P1	First Primary draw of 125 milliliters
7	LF88756	Copper	0.15	CF021 RM 12	P2	Second Primary draw of 125 milliliters
8	LF88757	Copper	0.14	CF021 #12	F01	Flush Sample taken 30 Seconds after Second Primary Draw
9	LF88758	Copper	0.15	CF021 RM 12	F02	Flush Sample taken 2 minutes after First Flush Sample
10	LF88759	Copper	0.31	CF009 RM 5	P1	First Primary draw of 125 milliliters
11	LF88760	Copper	0.28	CF009 RM 5	P2	Second Primary draw of 125 milliliters
12	LF88761	Copper	0.08	CF009 RM 5	F01	Flush Sample taken 30 Seconds after Second Primary Draw
13	LF88762	Copper	0.07	CF009 RM 5	F02	Flush Sample taken 2 minutes after First Flush Sample
14	LF88763	Copper	0.43	CF015 RM 11	P1	First Primary draw of 125 milliliters
15	LF88764	Copper	0.66	CF015 RM 11	P2	Second Primary draw of 125 milliliters
16	LF88765	Copper	0.19	CF015 RM 11	F01	Flush Sample taken 30 Seconds after Second Primary Draw
17	LF88766	Copper	0.13	CF015 RM 11	F02	Flush Sample taken 2 minutes after First Flush Sample
18	LF88767	Copper	0.99	CF016 RM 11	P1	First Primary draw of 125 milliliters
19	LF88768	Copper	0.89	CF016 RM 11	P2	Second Primary draw of 125 milliliters
20	LF88769	Copper	0.16	CF016 RM 11	F01	Flush Sample taken 30 Seconds after Second Primary Draw
21	LF88770	Copper	0.13	CF016 RM 11	F02	Flush Sample taken 2 minutes after First Flush Sample
22	LF88771	Copper	0.19	CF027 RM 21	P1	First Primary draw of 125 milliliters
23	LF88772	Copper	0.21	CF027 RM 21	P2	Second Primary draw of 125 milliliters
24	LF88773	Copper	0.16	CF027 RM 21	F01	Flush Sample taken 30 Seconds after Second Primary Draw
25	LF88774	Copper	0.15	CF027 RM 21	F02	Flush Sample taken 2 minutes after First Flush Sample
26	LF88775	Copper	0.24	CF010 RM 6	P1	First Primary draw of 125 milliliters
27	LF88776	Copper	0.22	CF010 RM 6	P2	Second Primary draw of 125 milliliters
28	LF88777	Copper	0.17	CF010 RM 6	F01	Flush Sample taken 30 Seconds after Second Primary Draw
29	LF88778	Copper	0.12	CF010 RM 6	F02	Flush Sample taken 2 minutes after First Flush Sample
30	LF88779	Copper	0.17	CF028 RM #21	P1	First Primary draw of 125 milliliters
31	LF88780	Copper	0.16	CF028 RM #21	P2	Second Primary draw of 125 milliliters
32	LF88781	Copper	0.15	CF028 RM #21	F01	Flush Sample taken 30 Seconds after Second Primary Draw
33	LF88782	Copper	0.15	CF028 RM #21	F02	Flush Sample taken 2 minutes after First Flush Sample
34	LF88783	Copper	0.23	CF024 RM #19	P1	First Primary draw of 125 milliliters

	A	B	C	D	E	F
35	LF88784	Copper	0.17	CF024 RM #19	P2	Second Primary draw of 125 milliliters
36	LF88785	Copper	0.16	CF024 RM #19	F01	Flush Sample taken 30 Seconds after Second Primary Draw
37	LF88786	Copper	0.16	CF024 RM #19	F02	Flush Sample taken 2 minutes after First Flush Sample
38	LF88787	Copper	0.31	KC003 COMMUNITY ROOM	P1	First Primary draw of 125 milliliters
39	LF88788	Copper	0.27	KC003 COMMUNITY ROOM	P2	Second Primary draw of 125 milliliters
40	LF88789	Copper	0.14	KC003 COMMUNITY ROOM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
41	LF88790	Copper	0.13	KC003 COMMUNITY ROOM	F02	Flush Sample taken 2 minutes after First Flush Sample
42	LF88791	Copper	0.13	CF023 RM #19	P1	First Primary draw of 125 milliliters
43	LF88792	Copper	0.18	CF023 RM #19	P2	Second Primary draw of 125 milliliters
44	LF88793	Copper	0.15	CF023 RM #19	F01	Flush Sample taken 30 Seconds after Second Primary Draw
45	LF88794	Copper	0.15	CF023 RM #19	F02	Flush Sample taken 2 minutes after First Flush Sample
46	LF88795	Copper	0.21	DW002 HALLWAY	P1	First Primary draw of 125 milliliters
47	LF88796	Copper	0.10	DW002 HALLWAY	P2	Second Primary draw of 125 milliliters
48	LF88797	Copper	0.07	DW002 HALLWAY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
49	LF88798	Copper	0.00	DW002 HALLWAY	F02	Flush Sample taken 2 minutes after First Flush Sample
50	LF88799	Copper	0.23	CF012 RM #9	P1	First Primary draw of 125 milliliters
51	LF88800	Copper	0.16	CF012 RM #9	P2	Second Primary draw of 125 milliliters
52	LF88801	Copper	0.11	CF012 RM #9	F01	Flush Sample taken 30 Seconds after Second Primary Draw
53	LF88802	Copper	0.08	CF012 RM #9	F02	Flush Sample taken 2 minutes after First Flush Sample
54	LF88803	Copper	0.41	DW001 HALLWAY	P1	First Primary draw of 125 milliliters
55	LF88804	Copper	0.29	DW001 HALLWAY	P2	Second Primary draw of 125 milliliters
56	LF88805	Copper	0.17	DW001 HALLWAY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
57	LF88806	Copper	0.00	DW001 HALLWAY	F02	Flush Sample taken 2 minutes after First Flush Sample
58	LF88807	Copper	0.20	CF018 RM#15	P1	First Primary draw of 125 milliliters
59	LF88808	Copper	0.17	CF018 RM#15	P2	Second Primary draw of 125 milliliters
60	LF88809	Copper	0.14	CF018 RM#15	F01	Flush Sample taken 30 Seconds after Second Primary Draw
61	LF88810	Copper	0.14	CF018 RM#15	F02	Flush Sample taken 2 minutes after First Flush Sample
62	LF88811	Copper	0.17	CF017 RM#15	P1	First Primary draw of 125 milliliters
63	LF88812	Copper	0.29	CF017 RM#15	P2	Second Primary draw of 125 milliliters
64	LF88813	Copper	0.17	CF017 RM#15	F01	Flush Sample taken 30 Seconds after Second Primary Draw
65	LF88814	Copper	0.15	CF017 RM#15	F02	Flush Sample taken 2 minutes after First Flush Sample
66	LF88815	Copper	0.59	CF029 DHS OFFICE	P1	First Primary draw of 125 milliliters
67	LF88816	Copper	0.40	CF029 DHS OFFICE	P2	Second Primary draw of 125 milliliters

	A	B	C	D	E	F
68	LF88817	Copper	0.08	CF029 DHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
69	LF88818	Copper	0.00	CF029 DHF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
70	LF88819	Copper	0.28	CF008 RM#4	P1	First Primary draw of 125 milliliters
71	LF88820	Copper	0.54	CF008 RM#4	P2	Second Primary draw of 125 milliliters
72	LF88821	Copper	0.17	CF008 RM#4	F01	Flush Sample taken 30 Seconds after Second Primary Draw
73	LF88822	Copper	0.15	CF008 RM#4	F02	Flush Sample taken 2 minutes after First Flush Sample
74	LF88823	Copper	0.17	CF007 RM#3	P1	First Primary draw of 125 milliliters
75	LF88824	Copper	0.27	CF007 RM #3	P2	Second Primary draw of 125 milliliters
76	LF88825	Copper	0.09	CF007 RM#3	F01	Flush Sample taken 30 Seconds after Second Primary Draw
77	LF88826	Copper	0.07	CF007 RM#3	F02	Flush Sample taken 2 minutes after First Flush Sample
78	LF88827	Copper	0.11	CF014 ROOM #10	P1	First Primary draw of 125 milliliters
79	LF88828	Copper	0.10	CF014- ROOM #10	P2	Second Primary draw of 125 milliliters
80	LF88829	Copper	0.10	CF014-ROOM #10	F01	Flush Sample taken 30 Seconds after Second Primary Draw
81	LF88830	Copper	0.08	CF014-ROOM #10	F02	Flush Sample taken 2 minutes after First Flush Sample
82	LF88831	Copper	0.75	CF026 ROOM #14	P1	First Primary draw of 125 milliliters
83	LF88832	Copper	0.66	CF026 ROOM #14	P2	Second Primary draw of 125 milliliters
84	LF88833	Copper	0.35	CF026 ROOM #14	F01	Flush Sample taken 30 Seconds after Second Primary Draw
85	LF88834	Copper	0.20	CF026 ROOM #14	F02	Flush Sample taken 2 minutes after First Flush Sample
86	LF88835	Copper	0.16	CF019 ROOM #17	P1	First Primary draw of 125 milliliters
87	LF88836	Copper	0.15	CF019 ROOM #17	P2	Second Primary draw of 125 milliliters
88	LF88837	Copper	0.14	CF019 ROOM #17	F01	Flush Sample taken 30 Seconds after Second Primary Draw
89	LF88838	Copper	0.14	CF019 ROOM #17	F02	Flush Sample taken 2 minutes after First Flush Sample
90	LF88839	Copper	0.14	CF025 ROOM #14	P1	First Primary draw of 125 milliliters
91	LF88840	Copper	0.25	CF025 ROOM #14	P2	Second Primary draw of 125 milliliters
92	LF88841	Copper	0.17	CF025 ROOM #14	F01	Flush Sample taken 30 Seconds after Second Primary Draw
93	LF88842	Copper	0.18	CF025 ROOM #14	F02	Flush Sample taken 2 minutes after First Flush Sample
94	LF88843	Copper	0.06	CF013 ROOM #10	P1	First Primary draw of 125 milliliters
95	LF88844	Copper	0.07	CF013- ROOM #10	P2	Second Primary draw of 125 milliliters
96	LF88845	Copper	0.10	CF013 ROOM #10	F02	Flush Sample taken 30 Seconds after Second Primary Draw
97	LF88846	Copper	0.19	CF013 ROOM #10	F01	Flush Sample taken 2 minutes after First Flush Sample
98	LF88847	Copper	0.19	CF020 ROOM #17	P1	First Primary draw of 125 milliliters
99	LF88848	Copper	0.16	CF020 ROOM #17	P2	Second Primary draw of 125 milliliters
100	LF88849	Copper	0.16	CF020 ROOM #17	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
101	LF88850	Copper	0.14	CF020 ROOM #17	F02	Flush Sample taken 2 minutes after First Flush Sample
102	LF88851	Copper	0.17	CF006 ROOM#2	P1	First Primary draw of 125 milliliters
103	LF88852	Copper	0.22	CF006 ROOM #2	P2	Second Primary draw of 125 milliliters
104	LF88853	Copper	0.11	CF006 ROOM #2	F01	Flush Sample taken 30 Seconds after Second Primary Draw
105	LF88854	Copper	0.11	CF006 ROOM #2	F02	Flush Sample taken 2 minutes after First Flush Sample
106	LF88855	Copper	0.20	CF011 ROOM #7	P1	First Primary draw of 125 milliliters
107	LF88856	Copper	0.15	CF011 ROOM #7	P2	Second Primary draw of 125 milliliters
108	LF88857	Copper	0.11	CF011 ROOM #7	F01	Flush Sample taken 30 Seconds after Second Primary Draw
109	LF88858	Copper	0.06	CF011 ROOM #7	F02	Flush Sample taken 2 minutes after First Flush Sample
110	LF88859	Copper	0.38	CF031 RAINBOW PRE K	P1	First Primary draw of 125 milliliters
111	LF88860	Copper	0.21	CF031 RAINBOW PRE K	P2	Second Primary draw of 125 milliliters
112	LF88861	Copper	0.27	CF031 RAINBOW PRE K	F01	Flush Sample taken 30 Seconds after Second Primary Draw
113	LF88862	Copper	0.19	CF031 RAINBOW PRE K	F02	Flush Sample taken 2 minutes after First Flush Sample
114	LF88863	Copper	0.38	CF030 RAINBOW PRE K	P1	First Primary draw of 125 milliliters
115	LF88864	Copper	0.42	CF030 RAINBOW PRE K	P2	Second Primary draw of 125 milliliters
116	LF88865	Copper	0.59	CF030 RAINBOW PRE K	F01	Flush Sample taken 30 Seconds after Second Primary Draw
117	LF88866	Copper	0.21	CF030 RAINBOW PRE K	F02	Flush Sample taken 2 minutes after First Flush Sample
118	LF88867	Copper	0.27	CF004 ROOM #1	P1	First Primary draw of 125 milliliters
119	LF88868	Copper	0.25	CF004 ROOM #1	P2	Second Primary draw of 125 milliliters
120	LF88869	Copper	0.21	CF004 ROOM #1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
121	LF88870	Copper	0.08	CF004 ROOM #1	F02	Flush Sample taken 2 minutes after First Flush Sample
122	LF88871	Copper	0.10	DW005 ROOM #1	P1	First Primary draw of 125 milliliters
123	LF88872	Copper	0.09	DW005 ROOM #1	P2	Second Primary draw of 125 milliliters
124	LF88873	Copper	0.09	DW005 ROOM #1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
125	LF88874	Copper	0.06	DW005 ROOM #1	F02	Flush Sample taken 2 minutes after First Flush Sample
126	LF89553	Copper	0.45	CF030	CA1	First Sequential Sample
127	LF89554	Copper	0.37	CF030	CA2	Second Sequential Sample
128	LF89555	Copper	0.22	CF030	CA3	Third Sequential Sample
129	LF89556	Copper	0.22	CF030	CA4	Forth Sequential Sample
130	LF89557	Copper	0.21	CF030	CA5	Fifth Sequential Sample
131	LF89558	Copper	0.21	CF030	CA6	Sixth Sequential Sample
132	LF89559	Copper	0.20	CF030	CA7	Seventh Sequential Sample
133	LF89560	Copper	0.20	CF030	CA8	Eigth Sequential Sample
134	LF89561	Copper	0.20	CF030	CA9	Ninth Sequential Sample
135	LF89562	Copper	0.20	CF030	CA10	Tenth Sequential Sample
136	LF89563	Copper	0.40	CF015	CB1	First Sequential Sample

	A	B	C	D	E	F
137	LF89564	Copper	0.14	CF015	CB2	Second Sequential Sample
138	LF89565	Copper	0.13	CF015	CB3	Third Sequential Sample
139	LF89566	Copper	0.13	CF015	CB4	Forth Sequential Sample
140	LF89567	Copper	0.13	CF015	CB5	Fifth Sequential Sample
141	LF89568	Copper	0.13	CF015	CB6	Sixth Sequential Sample
142	LF89569	Copper	0.13	CF015	CB7	Seventh Sequential Sample
143	LF89570	Copper	0.12	CF015	CB8	Eighth Sequential Sample
144	LF89571	Copper	0.12	CF015	CB9	Ninth Sequential Sample
145	LF89572	Copper	0.12	CF015	CB10	Tenth Sequential Sample
146	LF89573	Copper	0.16	CF027	CC1	First Sequential Sample
147	LF89574	Copper	0.14	CF027	CC2	Second Sequential Sample
148	LF89575	Copper	0.14	CF027	CC3	Third Sequential Sample
149	LF89576	Copper	0.14	CF027	CC4	Forth Sequential Sample
150	LF89577	Copper	0.14	CF027	CC5	Fifth Sequential Sample
151	LF89578	Copper	0.15	CF027	CC6	Sixth Sequential Sample
152	LF89579	Copper	0.15	CF027	CC7	Seventh Sequential Sample
153	LF89580	Copper	0.15	CF027	CC8	Eighth Sequential Sample
154	LF89581	Copper	0.15	CF027	CC9	Ninth Sequential Sample
155	LF89582	Copper	0.15	CF027	CC10	Tenth Sequential Sample
156						
157	Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting					
158						
159	None of the results for Copper exceeded 1.3 PPM					

From: Krisztian, George (DEQ)
Sent: Thursday, November 05, 2015 10:13 AM
To: Vorce, Susan (DEQ)
Subject: FW: Water Results Freeman Elementary

Hi Susan,

Please see the FOIA request below. I have tried to explain to GCHD that they would get the requested information faster by not going through the FOIA process but they have not withdrawn their request. Please assign this to EXEC only.

Thank you
 George

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

From: Krisztian, George (DEQ)
Sent: Tuesday, November 03, 2015 5:41 PM
To: 'Henry, James'
Cc: MVALACAK@gchd.us
Subject: RE: Water Results Freeman Elementary

Hi Jim,

The samples that were collected last Saturday (10/31/15) will not be going on the instrument until tomorrow (11/04/15). The ICP/MS operator is on vacation this week and the supervisor (who is serving as the backup) was at training on Monday and Tuesday. I have asked the supervisor to make those samples a priority and we will be sending all of the results out together along with a rather in depth document that explains what the results mean. The samples from 10/24/15 are an incomplete picture of the plumbing system and so it is important that these results all go out together.

I am hoping to either have a conference call or a meeting in Flint with all the partners to review the results and discuss how we will present the information to the public. The people that I would like to coordinate with on this is the Mayor's Office, the Superintendent's Office, GCHD, DLARA and DHHS.

I can submit your e-mail to the FOIA coordinator if you like but I can assure you that you will be getting these results faster outside of the FOIA process.

Please let me know if you would like to withdraw your FOIA request as I am obligated to submit it to the FOIA coordinator tomorrow unless you tell me otherwise. I do not know a lot of details about how the FOIA process works so I would be submitting your e-mail to the coordinator and then the process would go from there.

George

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

PPI

From: Henry, James [mailto:jhenry@gchd.us]
Sent: Tuesday, November 03, 2015 4:53 PM
To: Krisztian, George (DEQ)
Cc: MVALACAK@gchd.us
Subject: Water Results Freeman Elementary

George,

The Genesee County Health Department is requesting all MDEQ laboratory water results for Freeman Elementary School located in Flint MI. In your response, please include all water results, but specifically the results for lead from the water samples collected on 10/24/2015 and 10/31/2015 at Freeman Elementary School located in Flint MI.

If necessary, please consider this a FOIA request.

Thanks Jim

Jim Henry RS, MBA
 Environmental Health Supervisor
 Genesee County Health Department www.gchd.us
 630 S. Saginaw St., Suite 4
 Flint, MI 48502-1540
 Phone (810) 257-3618 Fax (810) 257-3125
 E-mail jhenry@gchd.us



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For a copy of the Health Department's Notice of Information Practices, contact the Health Department or visit the Health Department's website at <http://www.gchd.us/>.

From: Krisztian, George (DEQ)
Sent: Friday, November 06, 2015 2:57 PM
To: Tommasulo, Karen (DEQ)
Subject: FW: Transmittal of Final Report - High Lead at Three Residences in Flint, Michigan
Attachments: Transmittal of Final redacted Report to MDEQ.pdf

FYI

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

From: Sygo, Jim (DEQ)
Sent: Wednesday, November 04, 2015 5:18 PM
To: Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ); Cook, Pat (DEQ); Krisztian, George (DEQ)
Subject: FW: Transmittal of Final Report - High Lead at Three Residences in Flint, Michigan

Release of the report from Del Toral. With redactions?

From: Hyde, Tinka [<mailto:hyde.tinka@epa.gov>]
Sent: Wednesday, November 04, 2015 4:06 PM
To: Sygo, Jim (DEQ); hcraft@cityofflint.gov
Cc: nhenderson@cityofflint.gov
Subject: Transmittal of Final Report - High Lead at Three Residences in Flint, Michigan

Please find attached the Final Report - High Lead at Three Residences in Flint, Michigan. The report has been redacted to remove personally identifiable and medical information. Please let me know if you have any questions.

Tinka G. Hyde
 Water Division Director
 USEPA W-15J
 77 W. Jackson Blvd
 Chicago, IL 60604

Office: 312-886-9296
 Cell: PPI

From: Krisztian, George (DEQ)
Sent: Sunday, November 08, 2015 12:57 PM
To: Twenter, Lisa (DEQ); Shaler, Karen (DEQ)
Cc: Tommasulo, Karen (DEQ); Feuerstein, Heather (DEQ); Devereaux, Tracy Jo (DEQ); Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ)
Subject: RE: Track Changes Document - RE: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx
Attachments: FreemanElementary_Report.pdf

Yes, this looks good to me.

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

From: Twenter, Lisa (DEQ)
Sent: Friday, November 06, 2015 4:35 PM
To: Shaler, Karen (DEQ)
Cc: Tommasulo, Karen (DEQ); Krisztian, George (DEQ); Feuerstein, Heather (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: RE: Track Changes Document - RE: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx

Karen –

Per our conversation, attached is an updated document.

Lisa

From: Shaler, Karen (DEQ)
Sent: Friday, November 06, 2015 3:38 PM
To: Twenter, Lisa (DEQ)
Cc: Tommasulo, Karen (DEQ); Krisztian, George (DEQ); Feuerstein, Heather (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: Track Changes Document - RE: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx
Importance: High

Lisa,

As we discussed, I quickly reviewed the entire document after noting a few typos. Attached is the track changes document with the changes noted. Please add page numbers (at the bottom is fine) on all but the cover page. Also, Jim Sygo said to remove the draft watermark, so I removed it from the attached version.

Let me know if you have any questions. Thanks!

Karen Shaler, Management Assistant to
Chief Deputy Director Jim Sygo
Department of Environmental Quality
Constitution Hall, 6th Floor South
Phone: 517-284-6709
Fax: 517-241-7401
shalerk@michigan.gov

From: Feuerstein, Heather (DEQ)
Sent: Friday, November 06, 2015 2:43 PM
To: Shaler, Karen (DEQ); Devereaux, Tracy Jo (DEQ)
Subject: FW: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx

This is what I sent to Lisa to have her change to a report. She said she could have something to me by COB today.

From: Feuerstein, Heather (DEQ)
Sent: Thursday, November 05, 2015 5:07 PM
To: Twenter, Lisa (DEQ)
Cc: Ostrowski, James (DEQ); Berthold, Alana (DEQ); Harris, Darlene (DEQ); Tommasulo, Karen (DEQ)
Subject: RE: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx

Hi Lisa,

Per our previous discussion, the Executive Office would appreciate any assistance you could provide in creating a more professional looking report based off the attached Word document.

As I said, this is a mostly final document. Anything related to this topic has the possibility of changing moment to moment, so I can't call it 100% final. You would not be expected to make any edits to the content. If language needs to be changed we will provide you with a separate document indicating the requested changes.

Please let me know if you have any further questions.

Thank you,
Heather Feuerstein
Management Assistant to
Maggie Pallone, Deputy Director and
Brad Wurfel, Communications Director
Department of Environmental Quality
517.284.6715

From: Ostrowski, James (DEQ)
Sent: Thursday, November 05, 2015 3:57 PM
To: Feuerstein, Heather (DEQ)
Cc: Twenter, Lisa (DEQ); Berthold, Alana (DEQ); Harris, Darlene (DEQ)
Subject: RE: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx

Hi Heather -- please be sure to cc me on all high priority projects coming from the Exec Division to our graphics or video team.

FYI -- all content submitted should be finalized. Lisa, Darlene, or Alana will not edit content. If content does need to be edited for some reason they will notify you. Thanks.

- Jim

James A. Ostrowski
 Office of Environmental Assistance
 Michigan Department of Environmental Quality
 517-284-6870 ostrowskij2@michigan.gov



From: Twenter, Lisa (DEQ)
Sent: Thursday, November 05, 2015 3:40 PM
To: Feuerstein, Heather (DEQ)
Cc: Ostrowski, James (DEQ)
Subject: RE: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx

Hi Heather --

Thanks for sending that over so quickly.

Can you turn this into a final document? (ie, accept changes, delete all crossed out text, etc.)

I need to know exactly what the text will be so I can just copy and paste and not have to go through and make all the changes.

Thanks!

Lisa

From: Feuerstein, Heather (DEQ)
Sent: Thursday, November 05, 2015 3:16 PM
To: Twenter, Lisa (DEQ)
Subject: Freeman Elementary Sample-Assessment-Recommendations-Draft 11-4-15.docx

Let me know if you have any questions.

Thanks again!
 Heather Feuerstein
 Management Assistant to

Maggie Pallone, Deputy Director and
Brad Wurfel, Communications Director
Department of Environmental Quality
517.284.6715

From: Krisztian, George (DEQ)
Sent: Monday, November 09, 2015 9:53 AM
To: Feuerstein, Heather (DEQ); Tommasulo, Karen (DEQ)
Cc: Sygo, Jim (DEQ)
Subject: Flint Resident Data
Attachments: Flint Home Owner Data September 3 thru November 5 2015.xlsx

Attached is the data submitted by Flint residents through the free lead testing program.

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

	A	B	C	D	E	F
1	SAMPLE NUMBER	ANALYTE (Pb)	RESULT (mg/L)		ANALYTE (Cu)	RESULT (mg/L)
2	LF87365	LEAD	0.000		COPPER	0.34
3	LF88280	LEAD	0.000		COPPER	0.19
4	LF85608	LEAD	0.001		COPPER	0.00
5	LF87382	LEAD	0.001		COPPER	0.59
6	LF85958	LEAD	0.002		COPPER	0.92
7	LF87063	LEAD	0.002		COPPER	0.00
8	LF87944	LEAD	0.002		COPPER	0.19
9	LF85609	LEAD	0.004		COPPER	0.00
10	LF84899	LEAD	0.000		COPPER	0.00
11	LF85330	LEAD	0.000		COPPER	0.00
12	LF85604	LEAD	0.000		COPPER	0.22
13	LF85862	LEAD	0.000		COPPER	0.33
14	LF85954	LEAD	0.000		COPPER	0.00
15	LF85957	LEAD	0.000		COPPER	0.00
16	LF85960	LEAD	0.000		COPPER	0.00
17	LF86477	LEAD	0.000		COPPER	0.00
18	LF86479	LEAD	0.000		COPPER	0.36
19	LF86514	LEAD	0.000		COPPER	0.34
20	LF86516	LEAD	0.000		COPPER	0.49
21	LF87012	LEAD	0.000		COPPER	0.00
22	LF87022	LEAD	0.000		COPPER	0.00
23	LF87023	LEAD	0.000		COPPER	0.00
24	LF87024	LEAD	0.000		COPPER	0.00
25	LF87025	LEAD	0.000		COPPER	0.50
26	LF87029	LEAD	0.000		COPPER	0.00
27	LF87030	LEAD	0.000		COPPER	0.00
28	LF87031	LEAD	0.000		COPPER	0.00
29	LF87032	LEAD	0.000		COPPER	0.00
30	LF87033	LEAD	0.000		COPPER	0.00
31	LF87378	LEAD	0.000		COPPER	0.00
32	LF87386	LEAD	0.000		COPPER	0.00
33	LF87405	LEAD	0.000		COPPER	0.05
34	LF87415	LEAD	0.000		COPPER	0.00
35	LF87423	LEAD	0.000		COPPER	0.15
36	LF87927	LEAD	0.000		COPPER	0.00
37	LF87932	LEAD	0.000		COPPER	0.00
38	LF88283	LEAD	0.000		COPPER	0.52
39	LF88284	LEAD	0.000		COPPER	0.00
40	LF88293	LEAD	0.000		COPPER	0.61
41	LF88302	LEAD	0.000		COPPER	0.56
42	LF88308	LEAD	0.000		COPPER	0.59

	G
1	ZIP CODE
2	48502
3	48502
4	48502
5	48502
6	48502
7	48502
8	48502
9	48502
10	48503
11	48503
12	48503
13	48503
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36	48503
37	48503
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42	48503

	A	B	C	D	E	F
43	LF88309	LEAD	0.000		COPPER	0.53
44	LF88310	LEAD	0.000		COPPER	0.61
45	LF88313	LEAD	0.000		COPPER	0.63
46	LF88316	LEAD	0.000		COPPER	0.71
47	LF88317	LEAD	0.000		COPPER	0.67
48	LF88318	LEAD	0.000		COPPER	0.45
49	LF88319	LEAD	0.000		COPPER	0.91
50	LF88323	LEAD	0.000		COPPER	0.80
51	LF88325	LEAD	0.000		COPPER	0.80
52	LF89527	LEAD	0.000		COPPER	0.00
53	LF90456	LEAD	0.000		COPPER	0.00
54	LF90457	LEAD	0.000		COPPER	0.00
55	LF90459	LEAD	0.000		COPPER	0.00
56	LF82709	LEAD	0.001		COPPER	0.00
57	LF84317	LEAD	0.001		COPPER	0.00
58	LF85605	LEAD	0.001		COPPER	0.34
59	LF85934	LEAD	0.001		COPPER	0.00
60	LF85951	LEAD	0.001		COPPER	0.05
61	LF86487	LEAD	0.001		COPPER	0.50
62	LF87016	LEAD	0.001		COPPER	0.11
63	LF87028	LEAD	0.001		COPPER	0.63
64	LF87367	LEAD	0.001		COPPER	0.00
65	LF87424	LEAD	0.001		COPPER	0.13
66	LF88278	LEAD	0.001		COPPER	0.63
67	LF88290	LEAD	0.001		COPPER	0.00
68	LF88291	LEAD	0.001		COPPER	0.33
69	LF88297	LEAD	0.001		COPPER	0.46
70	LF88304	LEAD	0.001		COPPER	0.00
71	LF88312	LEAD	0.001		COPPER	0.22
72	LF88315	LEAD	0.001		COPPER	0.19
73	LF88959	LEAD	0.001		COPPER	0.19
74	LF88965	LEAD	0.001		COPPER	0.05
75	LF89521	LEAD	0.001		COPPER	0.00
76	LF81254	LEAD	0.002		COPPER	0.08
77	LF84313	LEAD	0.002		COPPER	0.07
78	LF85601	LEAD	0.002		COPPER	0.11
79	LF85858	LEAD	0.002		COPPER	0.00
80	LF85932	LEAD	0.002		COPPER	0.00
81	LF85950	LEAD	0.002		COPPER	0.41
82	LF86491	LEAD	0.002		COPPER	0.15
83	LF86497	LEAD	0.002		COPPER	0.08
84	LF86503	LEAD	0.002		COPPER	0.13

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43	48503
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78	48503
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82	48503
83	48503
84	48503

	A	B	C	D	E	F
85	LF87026	LEAD	0.002		COPPER	0.54
86	LF87027	LEAD	0.002		COPPER	0.72
87	LF87059	LEAD	0.002		COPPER	0.00
88	LF87368	LEAD	0.002		COPPER	0.25
89	LF87393	LEAD	0.002		COPPER	0.09
90	LF87410	LEAD	0.002		COPPER	0.31
91	LF87933	LEAD	0.002		COPPER	0.00
92	LF87934	LEAD	0.002		COPPER	0.00
93	LF87935	LEAD	0.002		COPPER	0.00
94	LF88288	LEAD	0.002		COPPER	0.62
95	LF88303	LEAD	0.002		COPPER	0.18
96	LF88321	LEAD	0.002		COPPER	0.18
97	LF88324	LEAD	0.002		COPPER	0.00
98	LF88958	LEAD	0.002		COPPER	0.07
99	LF88971	LEAD	0.002		COPPER	0.00
100	LF88975	LEAD	0.002		COPPER	0.14
101	LF90455	LEAD	0.002		COPPER	0.00
102	LF90461	LEAD	0.002		COPPER	0.11
103	LF85285	LEAD	0.003		COPPER	0.37
104	LF85288	LEAD	0.003		COPPER	0.00
105	LF85614	LEAD	0.003		COPPER	0.00
106	LF85857	LEAD	0.003		COPPER	0.00
107	LF85930	LEAD	0.003		COPPER	0.10
108	LF85952	LEAD	0.003		COPPER	0.00
109	LF86483	LEAD	0.003		COPPER	0.00
110	LF86484	LEAD	0.003		COPPER	0.00
111	LF86521	LEAD	0.003		COPPER	0.00
112	LF87014	LEAD	0.003		COPPER	0.00
113	LF87039	LEAD	0.003		COPPER	0.15
114	LF87041	LEAD	0.003		COPPER	0.00
115	LF87058	LEAD	0.003		COPPER	0.00
116	LF87371	LEAD	0.003		COPPER	0.16
117	LF87377	LEAD	0.003		COPPER	0.00
118	LF87414	LEAD	0.003		COPPER	0.11
119	LF87436	LEAD	0.003		COPPER	0.12
120	LF87947	LEAD	0.003		COPPER	0.08
121	LF82708	LEAD	0.004		COPPER	0.00
122	LF85603	LEAD	0.004		COPPER	0.16
123	LF85944	LEAD	0.004		COPPER	0.23
124	LF85953	LEAD	0.004		COPPER	0.00
125	LF86486	LEAD	0.004		COPPER	0.00
126	LF86494	LEAD	0.004		COPPER	0.00

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	A	B	C	D	E	F
127	LF87387	LEAD	0.004		COPPER	0.06
128	LF87435	LEAD	0.004		COPPER	0.24
129	LF87943	LEAD	0.004		COPPER	0.07
130	LF88320	LEAD	0.004		COPPER	0.00
131	LF88951	LEAD	0.004		COPPER	0.07
132	LF88955	LEAD	0.004		COPPER	0.22
133	LF88961	LEAD	0.004		COPPER	0.00
134	LF82706	LEAD	0.005		COPPER	0.00
135	LF85856	LEAD	0.005		COPPER	0.05
136	LF85863	LEAD	0.005		COPPER	0.00
137	LF85943	LEAD	0.005		COPPER	0.00
138	LF86517	LEAD	0.005		COPPER	0.09
139	LF87011	LEAD	0.005		COPPER	0.00
140	LF87374	LEAD	0.005		COPPER	0.06
141	LF87931	LEAD	0.005		COPPER	0.24
142	LF87936	LEAD	0.005		COPPER	0.00
143	LF88972	LEAD	0.005		COPPER	0.00
144	LF85290	LEAD	0.006		COPPER	0.07
145	LF85602	LEAD	0.006		COPPER	0.00
146	LF85801	LEAD	0.006		COPPER	0.10
147	LF85859	LEAD	0.006		COPPER	0.15
148	LF87009	LEAD	0.006		COPPER	0.07
149	LF87021	LEAD	0.006		COPPER	0.11
150	LF87042	LEAD	0.006		COPPER	0.00
151	LF87385	LEAD	0.006		COPPER	0.00
152	LF88282	LEAD	0.006		COPPER	0.00
153	LF88967	LEAD	0.006		COPPER	0.00
154	LF84315	LEAD	0.007		COPPER	0.00
155	LF85955	LEAD	0.007		COPPER	0.41
156	LF87036	LEAD	0.007		COPPER	0.00
157	LF88322	LEAD	0.007		COPPER	0.22
158	LF86478	LEAD	0.008		COPPER	1.11
159	LF87038	LEAD	0.008		COPPER	0.07
160	LF87928	LEAD	0.008		COPPER	0.00
161	LF88279	LEAD	0.008		COPPER	0.36
162	LF85949	LEAD	0.009		COPPER	0.17
163	LF85956	LEAD	0.009		COPPER	0.07
164	LF85941	LEAD	0.010		COPPER	0.00
165	LF87008	LEAD	0.010		COPPER	0.16
166	LF85929	LEAD	0.011		COPPER	0.00
167	LF87939	LEAD	0.011		COPPER	0.18
168	LF86488	LEAD	0.015		COPPER	0.00

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	A	B	C	D	E	F
169	LF87940	LEAD	0.016		COPPER	0.06
170	LF89526	LEAD	0.016		COPPER	0.00
171	LF85935	LEAD	0.018		COPPER	0.29
172	LF84316	LEAD	0.020		COPPER	0.13
173	LF89523	LEAD	0.021		COPPER	0.06
174	LF81253	LEAD	0.028		COPPER	0.00
175	LF85948	LEAD	0.030		COPPER	0.00
176	LF88954	LEAD	0.036		COPPER	0.00
177	LF86505	LEAD	0.053		COPPER	0.07
178	LF85611	LEAD	0.075		COPPER	0.57
179	LF88300	LEAD	0.088		COPPER	0.09
180	LF89522	LEAD	0.116		COPPER	0.13
181	LF88960	LEAD	0.131		COPPER	0.55
182	LF86507	LEAD	0.253		COPPER	0.18
183	LF84897	LEAD	0.327		COPPER	0.19
184	LF85796	LEAD	0.000		COPPER	0.14
185	LF85931	LEAD	0.000		COPPER	0.00
186	LF85936	LEAD	0.000		COPPER	0.08
187	LF86489	LEAD	0.000		COPPER	0.00
188	LF86519	LEAD	0.000		COPPER	0.00
189	LF87037	LEAD	0.000		COPPER	0.00
190	LF87054	LEAD	0.000		COPPER	0.00
191	LF87383	LEAD	0.000		COPPER	0.00
192	LF87394	LEAD	0.000		COPPER	0.23
193	LF87395	LEAD	0.000		COPPER	0.15
194	LF87419	LEAD	0.000		COPPER	0.00
195	LF87432	LEAD	0.000		COPPER	0.00
196	LF87929	LEAD	0.000		COPPER	0.00
197	LF88292	LEAD	0.000		COPPER	0.05
198	LF89528	LEAD	0.000		COPPER	0.00
199	LF90454	LEAD	0.000		COPPER	0.57
200	LF85939	LEAD	0.001		COPPER	0.07
201	LF87417	LEAD	0.001		COPPER	0.12
202	LF88299	LEAD	0.001		COPPER	0.16
203	LF82707	LEAD	0.002		COPPER	0.05
204	LF85606	LEAD	0.002		COPPER	0.00
205	LF85795	LEAD	0.002		COPPER	0.06
206	LF85861	LEAD	0.002		COPPER	0.00
207	LF86490	LEAD	0.002		COPPER	0.15
208	LF86502	LEAD	0.002		COPPER	0.00
209	LF86506	LEAD	0.002		COPPER	0.00
210	LF87020	LEAD	0.002		COPPER	0.10

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	A	B	C	D	E	F
211	LF87376	LEAD	0.002		COPPER	0.10
212	LF87400	LEAD	0.002		COPPER	0.00
213	LF88970	LEAD	0.002		COPPER	0.14
214	LF88974	LEAD	0.002		COPPER	0.00
215	LF85938	LEAD	0.003		COPPER	0.00
216	LF86518	LEAD	0.003		COPPER	0.06
217	LF87402	LEAD	0.003		COPPER	0.18
218	LF87430	LEAD	0.003		COPPER	0.19
219	LF85615	LEAD	0.004		COPPER	0.12
220	LF87010	LEAD	0.004		COPPER	0.08
221	LF88949	LEAD	0.004		COPPER	0.00
222	LF88969	LEAD	0.004		COPPER	0.00
223	LF87941	LEAD	0.005		COPPER	0.50
224	LF87048	LEAD	0.006		COPPER	0.00
225	LF87407	LEAD	0.006		COPPER	0.32
226	LF88964	LEAD	0.006		COPPER	0.00
227	LF85798	LEAD	0.007		COPPER	0.00
228	LF85286	LEAD	0.008		COPPER	0.15
229	LF88289	LEAD	0.008		COPPER	0.00
230	LF88963	LEAD	0.009		COPPER	0.25
231	LF87052	LEAD	0.011		COPPER	0.00
232	LF86515	LEAD	0.012		COPPER	0.06
233	LF88287	LEAD	0.015		COPPER	0.00
234	LF85860	LEAD	0.041		COPPER	1.04
235	LF86482	LEAD	0.000		COPPER	0.00
236	LF86501	LEAD	0.000		COPPER	0.06
237	LF87372	LEAD	0.000		COPPER	0.24
238	LF87418	LEAD	0.000		COPPER	0.00
239	LF87434	LEAD	0.000		COPPER	0.00
240	LF84896	LEAD	0.001		COPPER	0.00
241	LF85800	LEAD	0.001		COPPER	0.00
242	LF86511	LEAD	0.001		COPPER	0.00
243	LF87384	LEAD	0.001		COPPER	0.05
244	LF87411	LEAD	0.001		COPPER	0.06
245	LF86509	LEAD	0.002		COPPER	0.65
246	LF88966	LEAD	0.003		COPPER	0.10
247	LF86508	LEAD	0.004		COPPER	0.09
248	LF90460	LEAD	0.004		COPPER	0.00
249	LF84898	LEAD	0.006		COPPER	0.00
250	LF85940	LEAD	0.007		COPPER	0.20
251	LF87389	LEAD	0.007		COPPER	0.08
252	LF87018	LEAD	0.008		COPPER	0.06

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	A	B	C	D	E	F
253	LF87401	LEAD	0.010		COPPER	0.00
254	LF87429	LEAD	0.013		COPPER	0.00
255	LF87403	LEAD	0.027		COPPER	0.08
256	LF86513	LEAD	0.035		COPPER	2.57
257	LF85797	LEAD	0.000		COPPER	0.00
258	LF85799	LEAD	0.000		COPPER	0.05
259	LF85933	LEAD	0.000		COPPER	0.00
260	LF86481	LEAD	0.000		COPPER	0.00
261	LF86485	LEAD	0.000		COPPER	0.00
262	LF86498	LEAD	0.000		COPPER	0.00
263	LF86510	LEAD	0.000		COPPER	0.00
264	LF86512	LEAD	0.000		COPPER	0.00
265	LF87035	LEAD	0.000		COPPER	0.00
266	LF87045	LEAD	0.000		COPPER	0.08
267	LF87047	LEAD	0.000		COPPER	0.00
268	LF87050	LEAD	0.000		COPPER	0.26
269	LF87051	LEAD	0.000		COPPER	0.11
270	LF87369	LEAD	0.000		COPPER	0.00
271	LF87370	LEAD	0.000		COPPER	0.09
272	LF87397	LEAD	0.000		COPPER	0.00
273	LF87398	LEAD	0.000		COPPER	0.00
274	LF87938	LEAD	0.000		COPPER	0.00
275	LF88306	LEAD	0.000		COPPER	0.00
276	LF88962	LEAD	0.000		COPPER	0.00
277	LF89520	LEAD	0.000		COPPER	0.07
278	LF89525	LEAD	0.000		COPPER	0.06
279	LF85937	LEAD	0.001		COPPER	0.07
280	LF86492	LEAD	0.001		COPPER	0.00
281	LF87013	LEAD	0.001		COPPER	0.00
282	LF87015	LEAD	0.001		COPPER	0.06
283	LF87046	LEAD	0.001		COPPER	0.00
284	LF87053	LEAD	0.001		COPPER	0.58
285	LF87380	LEAD	0.001		COPPER	0.05
286	LF85291	LEAD	0.002		COPPER	0.06
287	LF87381	LEAD	0.002		COPPER	0.15
288	LF87404	LEAD	0.002		COPPER	0.06
289	LF87408	LEAD	0.002		COPPER	0.55
290	LF87420	LEAD	0.002		COPPER	0.00
291	LF87422	LEAD	0.002		COPPER	0.11
292	LF87055	LEAD	0.003		COPPER	0.06
293	LF87364	LEAD	0.003		COPPER	0.00
294	LF86520	LEAD	0.004		COPPER	0.11

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295	LF87043	LEAD	0.006		COPPER	0.00
296	LF87056	LEAD	0.006		COPPER	0.16
297	LF90462	LEAD	0.006		COPPER	0.00
298	LF85289	LEAD	0.010		COPPER	0.09
299	LF86495	LEAD	0.012		COPPER	0.00
300	LF86496	LEAD	0.016		COPPER	0.07
301	LF87366	LEAD	0.017		COPPER	1.38
302	LF87396	LEAD	0.017		COPPER	0.17
303	LF87390	LEAD	0.019		COPPER	0.07
304	LF85613	LEAD	0.000		COPPER	0.00
305	LF85802	LEAD	0.000		COPPER	0.27
306	LF86480	LEAD	0.000		COPPER	0.17
307	LF87431	LEAD	0.000		COPPER	0.07
308	LF87942	LEAD	0.000		COPPER	0.06
309	LF88281	LEAD	0.000		COPPER	0.00
310	LF88286	LEAD	0.000		COPPER	0.00
311	LF88295	LEAD	0.000		COPPER	0.00
312	LF88298	LEAD	0.000		COPPER	0.00
313	LF88950	LEAD	0.000		COPPER	0.00
314	LF88952	LEAD	0.000		COPPER	0.00
315	LF88953	LEAD	0.000		COPPER	0.00
316	LF88968	LEAD	0.000		COPPER	0.41
317	LF88973	LEAD	0.000		COPPER	0.00
318	LF90458	LEAD	0.000		COPPER	0.32
319	LF85942	LEAD	0.001		COPPER	0.00
320	LF85959	LEAD	0.001		COPPER	0.00
321	LF87044	LEAD	0.001		COPPER	0.00
322	LF87930	LEAD	0.001		COPPER	0.00
323	LF88305	LEAD	0.001		COPPER	0.00
324	LF85610	LEAD	0.002		COPPER	0.07
325	LF85612	LEAD	0.002		COPPER	0.15
326	LF87049	LEAD	0.002		COPPER	0.07
327	LF87391	LEAD	0.002		COPPER	0.07
328	LF87413	LEAD	0.002		COPPER	0.06
329	LF88294	LEAD	0.002		COPPER	0.00
330	LF86504	LEAD	0.003		COPPER	0.12
331	LF87017	LEAD	0.003		COPPER	0.37
332	LF88957	LEAD	0.003		COPPER	0.08
333	LF87057	LEAD	0.004		COPPER	0.11
334	LF88301	LEAD	0.004		COPPER	0.09
335	LF84314	LEAD	0.005		COPPER	0.00
336	LF87062	LEAD	0.005		COPPER	0.08

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337	LF87388	LEAD	0.005		COPPER	0.08
338	LF87412	LEAD	0.005		COPPER	0.07
339	LF87945	LEAD	0.005		COPPER	0.00
340	LF88311	LEAD	0.005		COPPER	0.00
341	LF87375	LEAD	0.007		COPPER	0.30
342	LF87406	LEAD	0.007		COPPER	0.05
343	LF87034	LEAD	0.008		COPPER	0.08
344	LF87060	LEAD	0.009		COPPER	0.00
345	LF87937	LEAD	0.010		COPPER	0.07
346	LF85287	LEAD	0.013		COPPER	0.12
347	LF87373	LEAD	0.014		COPPER	0.23
348	LF87399	LEAD	0.021		COPPER	0.08
349	LF87040	LEAD	0.074		COPPER	0.09
350	LF86493	LEAD	0.151		COPPER	0.14
351	LF85945	LEAD	0.000		COPPER	0.17
352	LF85947	LEAD	0.000		COPPER	0.07
353	LF87061	LEAD	0.000		COPPER	0.00
354	LF88285	LEAD	0.000		COPPER	0.43
355	LF88956	LEAD	0.000		COPPER	0.08
356	LF85946	LEAD	0.002		COPPER	0.22
357	LF88307	LEAD	0.026		COPPER	0.06
358	LF86499	LEAD	0.000		COPPER	0.00
359	LF87007	LEAD	0.000		COPPER	0.00
360	LF87064	LEAD	0.000		COPPER	0.00
361	LF87379	LEAD	0.000		COPPER	0.00
362	LF87392	LEAD	0.000		COPPER	0.00
363	LF87428	LEAD	0.000		COPPER	0.00
364	LF87946	LEAD	0.000		COPPER	0.00
365	LF88296	LEAD	0.000		COPPER	0.13
366	LF89524	LEAD	0.000		COPPER	0.00
367	LF87427	LEAD	0.001		COPPER	0.58
368	LF87433	LEAD	0.001		COPPER	0.00
369	LF84900	LEAD	0.002		COPPER	0.00
370	LF88314	LEAD	0.002		COPPER	0.00
371	LF87409	LEAD	0.003		COPPER	0.00
372	LF87425	LEAD	0.003		COPPER	0.42
373	LF87421	LEAD	0.004		COPPER	0.00
374	LF90463	LEAD	0.004		COPPER	0.00
375	LF87019	LEAD	0.005		COPPER	0.00
376	LF86500	LEAD	0.008		COPPER	0.07
377	LF87065	LEAD	0.009		COPPER	0.00
378	LF85607	LEAD	0.012		COPPER	0.15

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	A	B	C	D	E	F
379	LF85329	LEAD	0.019		COPPER	1.22
380	LF87416	LEAD	0.020		COPPER	0.21
381	LF90464	LEAD	0.027		COPPER	0.05
382	LF87426	LEAD	0.078		COPPER	0.27
383						
384						
385	NOTE: Sample results of "Not Detected have bee replaced with a numerical value of zero					
386	for ease of sorting					
387						
388	Lead values exceeding 0.015 mg/L and Copper results exceeding 1.3 mg/L are highlighted in red.					
389						
390	1 PPB = 0.001 mg/L					
391						
392	Samples without a zip code did not have one provided on the accompanying paperwork.					

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	A	B	C	D	E	F	G
1	SAMPLE NUMBER	ANALYTE (Pb)	RESULT (mg/L)		ANALYTE (Cu)	RESULT (mg/L)	ZIP CODE
2	LF84899	LEAD	0.000		COPPER	0.00	48503
3	LF85330	LEAD	0.000		COPPER	0.00	48503
4	LF85604	LEAD	0.000		COPPER	0.22	48503
5	LF85613	LEAD	0.000		COPPER	0.00	48507
6	LF85796	LEAD	0.000		COPPER	0.14	48504
7	LF85797	LEAD	0.000		COPPER	0.00	48506
8	LF85799	LEAD	0.000		COPPER	0.05	48506
9	LF85802	LEAD	0.000		COPPER	0.27	48507
10	LF85862	LEAD	0.000		COPPER	0.33	48503
11	LF85931	LEAD	0.000		COPPER	0.00	48504
12	LF85933	LEAD	0.000		COPPER	0.00	48506
13	LF85936	LEAD	0.000		COPPER	0.08	48504
14	LF85945	LEAD	0.000		COPPER	0.17	48532
15	LF85947	LEAD	0.000		COPPER	0.07	48532
16	LF85954	LEAD	0.000		COPPER	0.00	48503
17	LF85957	LEAD	0.000		COPPER	0.00	48503
18	LF85960	LEAD	0.000		COPPER	0.00	48503
19	LF86477	LEAD	0.000		COPPER	0.00	48503
20	LF86479	LEAD	0.000		COPPER	0.36	48503
21	LF86480	LEAD	0.000		COPPER	0.17	48507
22	LF86481	LEAD	0.000		COPPER	0.00	48506
23	LF86482	LEAD	0.000		COPPER	0.00	48505
24	LF86485	LEAD	0.000		COPPER	0.00	48506
25	LF86489	LEAD	0.000		COPPER	0.00	48504
26	LF86498	LEAD	0.000		COPPER	0.00	48506
27	LF86499	LEAD	0.000		COPPER	0.00	
28	LF86501	LEAD	0.000		COPPER	0.06	48505
29	LF86510	LEAD	0.000		COPPER	0.00	48506
30	LF86512	LEAD	0.000		COPPER	0.00	48506
31	LF86514	LEAD	0.000		COPPER	0.34	48503
32	LF86516	LEAD	0.000		COPPER	0.49	48503
33	LF86519	LEAD	0.000		COPPER	0.00	48504
34	LF87007	LEAD	0.000		COPPER	0.00	
35	LF87012	LEAD	0.000		COPPER	0.00	48503
36	LF87022	LEAD	0.000		COPPER	0.00	48503
37	LF87023	LEAD	0.000		COPPER	0.00	48503
38	LF87024	LEAD	0.000		COPPER	0.00	48503
39	LF87025	LEAD	0.000		COPPER	0.50	48503
40	LF87029	LEAD	0.000		COPPER	0.00	48503
41	LF87030	LEAD	0.000		COPPER	0.00	48503
42	LF87031	LEAD	0.000		COPPER	0.00	48503

	A	B	C	D	E	F	G
43	LF87032	LEAD	0.000		COPPER	0.00	48503
44	LF87033	LEAD	0.000		COPPER	0.00	48503
45	LF87035	LEAD	0.000		COPPER	0.00	48506
46	LF87037	LEAD	0.000		COPPER	0.00	48504
47	LF87045	LEAD	0.000		COPPER	0.08	48506
48	LF87047	LEAD	0.000		COPPER	0.00	48506
49	LF87050	LEAD	0.000		COPPER	0.26	48506
50	LF87051	LEAD	0.000		COPPER	0.11	48506
51	LF87054	LEAD	0.000		COPPER	0.00	48504
52	LF87061	LEAD	0.000		COPPER	0.00	48532
53	LF87064	LEAD	0.000		COPPER	0.00	
54	LF87365	LEAD	0.000		COPPER	0.34	48502
55	LF87369	LEAD	0.000		COPPER	0.00	48506
56	LF87370	LEAD	0.000		COPPER	0.09	48506
57	LF87372	LEAD	0.000		COPPER	0.24	48505
58	LF87378	LEAD	0.000		COPPER	0.00	48503
59	LF87379	LEAD	0.000		COPPER	0.00	
60	LF87383	LEAD	0.000		COPPER	0.00	48504
61	LF87386	LEAD	0.000		COPPER	0.00	48503
62	LF87392	LEAD	0.000		COPPER	0.00	
63	LF87394	LEAD	0.000		COPPER	0.23	48504
64	LF87395	LEAD	0.000		COPPER	0.15	48504
65	LF87397	LEAD	0.000		COPPER	0.00	48506
66	LF87398	LEAD	0.000		COPPER	0.00	48506
67	LF87405	LEAD	0.000		COPPER	0.05	48503
68	LF87415	LEAD	0.000		COPPER	0.00	48503
69	LF87418	LEAD	0.000		COPPER	0.00	48505
70	LF87419	LEAD	0.000		COPPER	0.00	48504
71	LF87423	LEAD	0.000		COPPER	0.15	48503
72	LF87428	LEAD	0.000		COPPER	0.00	
73	LF87431	LEAD	0.000		COPPER	0.07	48507
74	LF87432	LEAD	0.000		COPPER	0.00	48504
75	LF87434	LEAD	0.000		COPPER	0.00	48505
76	LF87927	LEAD	0.000		COPPER	0.00	48503
77	LF87929	LEAD	0.000		COPPER	0.00	48504
78	LF87932	LEAD	0.000		COPPER	0.00	48503
79	LF87938	LEAD	0.000		COPPER	0.00	48506
80	LF87942	LEAD	0.000		COPPER	0.06	48507
81	LF87946	LEAD	0.000		COPPER	0.00	
82	LF88280	LEAD	0.000		COPPER	0.19	48502
83	LF88281	LEAD	0.000		COPPER	0.00	48507
84	LF88283	LEAD	0.000		COPPER	0.52	48503

	A	B	C	D	E	F	G
85	LF88284	LEAD	0.000		COPPER	0.00	48503
86	LF88285	LEAD	0.000		COPPER	0.43	48532
87	LF88286	LEAD	0.000		COPPER	0.00	48507
88	LF88292	LEAD	0.000		COPPER	0.05	48504
89	LF88293	LEAD	0.000		COPPER	0.61	48503
90	LF88295	LEAD	0.000		COPPER	0.00	48507
91	LF88296	LEAD	0.000		COPPER	0.13	
92	LF88298	LEAD	0.000		COPPER	0.00	48507
93	LF88302	LEAD	0.000		COPPER	0.56	48503
94	LF88306	LEAD	0.000		COPPER	0.00	48506
95	LF88308	LEAD	0.000		COPPER	0.59	48503
96	LF88309	LEAD	0.000		COPPER	0.53	48503
97	LF88310	LEAD	0.000		COPPER	0.61	48503
98	LF88313	LEAD	0.000		COPPER	0.63	48503
99	LF88316	LEAD	0.000		COPPER	0.71	48503
100	LF88317	LEAD	0.000		COPPER	0.67	48503
101	LF88318	LEAD	0.000		COPPER	0.45	48503
102	LF88319	LEAD	0.000		COPPER	0.91	48503
103	LF88323	LEAD	0.000		COPPER	0.80	48503
104	LF88325	LEAD	0.000		COPPER	0.80	48503
105	LF88950	LEAD	0.000		COPPER	0.00	48507
106	LF88952	LEAD	0.000		COPPER	0.00	48507
107	LF88953	LEAD	0.000		COPPER	0.00	48507
108	LF88956	LEAD	0.000		COPPER	0.08	48532
109	LF88962	LEAD	0.000		COPPER	0.00	48506
110	LF88968	LEAD	0.000		COPPER	0.41	48507
111	LF88973	LEAD	0.000		COPPER	0.00	48507
112	LF89520	LEAD	0.000		COPPER	0.07	48506
113	LF89524	LEAD	0.000		COPPER	0.00	
114	LF89525	LEAD	0.000		COPPER	0.06	48506
115	LF89527	LEAD	0.000		COPPER	0.00	48503
116	LF89528	LEAD	0.000		COPPER	0.00	48504
117	LF90454	LEAD	0.000		COPPER	0.57	48504
118	LF90456	LEAD	0.000		COPPER	0.00	48503
119	LF90457	LEAD	0.000		COPPER	0.00	48503
120	LF90458	LEAD	0.000		COPPER	0.32	48507
121	LF90459	LEAD	0.000		COPPER	0.00	48503
122	LF82709	LEAD	0.001		COPPER	0.00	48503
123	LF84317	LEAD	0.001		COPPER	0.00	48503
124	LF84896	LEAD	0.001		COPPER	0.00	48505
125	LF85605	LEAD	0.001		COPPER	0.34	48503
126	LF85608	LEAD	0.001		COPPER	0.00	48502

	A	B	C	D	E	F	G
127	LF85800	LEAD	0.001		COPPER	0.00	48505
128	LF85934	LEAD	0.001		COPPER	0.00	48503
129	LF85937	LEAD	0.001		COPPER	0.07	48506
130	LF85939	LEAD	0.001		COPPER	0.07	48504
131	LF85942	LEAD	0.001		COPPER	0.00	48507
132	LF85951	LEAD	0.001		COPPER	0.05	48503
133	LF85959	LEAD	0.001		COPPER	0.00	48507
134	LF86487	LEAD	0.001		COPPER	0.50	48503
135	LF86492	LEAD	0.001		COPPER	0.00	48506
136	LF86511	LEAD	0.001		COPPER	0.00	48505
137	LF87013	LEAD	0.001		COPPER	0.00	48506
138	LF87015	LEAD	0.001		COPPER	0.06	48506
139	LF87016	LEAD	0.001		COPPER	0.11	48503
140	LF87028	LEAD	0.001		COPPER	0.63	48503
141	LF87044	LEAD	0.001		COPPER	0.00	48507
142	LF87046	LEAD	0.001		COPPER	0.00	48506
143	LF87053	LEAD	0.001		COPPER	0.58	48506
144	LF87367	LEAD	0.001		COPPER	0.00	48503
145	LF87380	LEAD	0.001		COPPER	0.05	48506
146	LF87382	LEAD	0.001		COPPER	0.59	48502
147	LF87384	LEAD	0.001		COPPER	0.05	48505
148	LF87411	LEAD	0.001		COPPER	0.06	48505
149	LF87417	LEAD	0.001		COPPER	0.12	48504
150	LF87424	LEAD	0.001		COPPER	0.13	48503
151	LF87427	LEAD	0.001		COPPER	0.58	
152	LF87433	LEAD	0.001		COPPER	0.00	
153	LF87930	LEAD	0.001		COPPER	0.00	48507
154	LF88278	LEAD	0.001		COPPER	0.63	48503
155	LF88290	LEAD	0.001		COPPER	0.00	48503
156	LF88291	LEAD	0.001		COPPER	0.33	48503
157	LF88297	LEAD	0.001		COPPER	0.46	48503
158	LF88299	LEAD	0.001		COPPER	0.16	48504
159	LF88304	LEAD	0.001		COPPER	0.00	48503
160	LF88305	LEAD	0.001		COPPER	0.00	48507
161	LF88312	LEAD	0.001		COPPER	0.22	48503
162	LF88315	LEAD	0.001		COPPER	0.19	48503
163	LF88959	LEAD	0.001		COPPER	0.19	48503
164	LF88965	LEAD	0.001		COPPER	0.05	48503
165	LF89521	LEAD	0.001		COPPER	0.00	48503
166	LF81254	LEAD	0.002		COPPER	0.08	48503
167	LF82707	LEAD	0.002		COPPER	0.05	48504
168	LF84313	LEAD	0.002		COPPER	0.07	48503

	A	B	C	D	E	F	G
169	LF84900	LEAD	0.002		COPPER	0.00	
170	LF85291	LEAD	0.002		COPPER	0.06	48506
171	LF85601	LEAD	0.002		COPPER	0.11	48503
172	LF85606	LEAD	0.002		COPPER	0.00	48504
173	LF85610	LEAD	0.002		COPPER	0.07	48507
174	LF85612	LEAD	0.002		COPPER	0.15	48507
175	LF85795	LEAD	0.002		COPPER	0.06	48504
176	LF85858	LEAD	0.002		COPPER	0.00	48503
177	LF85861	LEAD	0.002		COPPER	0.00	48504
178	LF85932	LEAD	0.002		COPPER	0.00	48503
179	LF85946	LEAD	0.002		COPPER	0.22	48532
180	LF85950	LEAD	0.002		COPPER	0.41	48503
181	LF85958	LEAD	0.002		COPPER	0.92	48502
182	LF86490	LEAD	0.002		COPPER	0.15	48504
183	LF86491	LEAD	0.002		COPPER	0.15	48503
184	LF86497	LEAD	0.002		COPPER	0.08	48503
185	LF86502	LEAD	0.002		COPPER	0.00	48504
186	LF86503	LEAD	0.002		COPPER	0.13	48503
187	LF86506	LEAD	0.002		COPPER	0.00	48504
188	LF86509	LEAD	0.002		COPPER	0.65	48505
189	LF87020	LEAD	0.002		COPPER	0.10	48504
190	LF87026	LEAD	0.002		COPPER	0.54	48503
191	LF87027	LEAD	0.002		COPPER	0.72	48503
192	LF87049	LEAD	0.002		COPPER	0.07	48507
193	LF87059	LEAD	0.002		COPPER	0.00	48503
194	LF87063	LEAD	0.002		COPPER	0.00	48502
195	LF87368	LEAD	0.002		COPPER	0.25	48503
196	LF87376	LEAD	0.002		COPPER	0.10	48504
197	LF87381	LEAD	0.002		COPPER	0.15	48506
198	LF87391	LEAD	0.002		COPPER	0.07	48507
199	LF87393	LEAD	0.002		COPPER	0.09	48503
200	LF87400	LEAD	0.002		COPPER	0.00	48504
201	LF87404	LEAD	0.002		COPPER	0.06	48506
202	LF87408	LEAD	0.002		COPPER	0.55	48506
203	LF87410	LEAD	0.002		COPPER	0.31	48503
204	LF87413	LEAD	0.002		COPPER	0.06	48507
205	LF87420	LEAD	0.002		COPPER	0.00	48506
206	LF87422	LEAD	0.002		COPPER	0.11	48506
207	LF87933	LEAD	0.002		COPPER	0.00	48503
208	LF87934	LEAD	0.002		COPPER	0.00	48503
209	LF87935	LEAD	0.002		COPPER	0.00	48503
210	LF87944	LEAD	0.002		COPPER	0.19	48502

	A	B	C	D	E	F	G
211	LF88288	LEAD	0.002		COPPER	0.62	48503
212	LF88294	LEAD	0.002		COPPER	0.00	48507
213	LF88303	LEAD	0.002		COPPER	0.18	48503
214	LF88314	LEAD	0.002		COPPER	0.00	
215	LF88321	LEAD	0.002		COPPER	0.18	48503
216	LF88324	LEAD	0.002		COPPER	0.00	48503
217	LF88958	LEAD	0.002		COPPER	0.07	48503
218	LF88970	LEAD	0.002		COPPER	0.14	48504
219	LF88971	LEAD	0.002		COPPER	0.00	48503
220	LF88974	LEAD	0.002		COPPER	0.00	48504
221	LF88975	LEAD	0.002		COPPER	0.14	48503
222	LF90455	LEAD	0.002		COPPER	0.00	48503
223	LF90461	LEAD	0.002		COPPER	0.11	48503
224	LF85285	LEAD	0.003		COPPER	0.37	48503
225	LF85288	LEAD	0.003		COPPER	0.00	48503
226	LF85614	LEAD	0.003		COPPER	0.00	48503
227	LF85857	LEAD	0.003		COPPER	0.00	48503
228	LF85930	LEAD	0.003		COPPER	0.10	48503
229	LF85938	LEAD	0.003		COPPER	0.00	48504
230	LF85952	LEAD	0.003		COPPER	0.00	48503
231	LF86483	LEAD	0.003		COPPER	0.00	48503
232	LF86484	LEAD	0.003		COPPER	0.00	48503
233	LF86504	LEAD	0.003		COPPER	0.12	48507
234	LF86518	LEAD	0.003		COPPER	0.06	48504
235	LF86521	LEAD	0.003		COPPER	0.00	48503
236	LF87014	LEAD	0.003		COPPER	0.00	48503
237	LF87017	LEAD	0.003		COPPER	0.37	48507
238	LF87039	LEAD	0.003		COPPER	0.15	48503
239	LF87041	LEAD	0.003		COPPER	0.00	48503
240	LF87055	LEAD	0.003		COPPER	0.06	48506
241	LF87058	LEAD	0.003		COPPER	0.00	48503
242	LF87364	LEAD	0.003		COPPER	0.00	48506
243	LF87371	LEAD	0.003		COPPER	0.16	48503
244	LF87377	LEAD	0.003		COPPER	0.00	48503
245	LF87402	LEAD	0.003		COPPER	0.18	48504
246	LF87409	LEAD	0.003		COPPER	0.00	
247	LF87414	LEAD	0.003		COPPER	0.11	48503
248	LF87425	LEAD	0.003		COPPER	0.42	
249	LF87430	LEAD	0.003		COPPER	0.19	48504
250	LF87436	LEAD	0.003		COPPER	0.12	48503
251	LF87947	LEAD	0.003		COPPER	0.08	48503
252	LF88957	LEAD	0.003		COPPER	0.08	48507

	A	B	C	D	E	F	G
253	LF88966	LEAD	0.003		COPPER	0.10	48505
254	LF82708	LEAD	0.004		COPPER	0.00	48503
255	LF85603	LEAD	0.004		COPPER	0.16	48503
256	LF85609	LEAD	0.004		COPPER	0.00	48502
257	LF85615	LEAD	0.004		COPPER	0.12	48504
258	LF85944	LEAD	0.004		COPPER	0.23	48503
259	LF85953	LEAD	0.004		COPPER	0.00	48503
260	LF86486	LEAD	0.004		COPPER	0.00	48503
261	LF86494	LEAD	0.004		COPPER	0.00	48503
262	LF86508	LEAD	0.004		COPPER	0.09	48505
263	LF86520	LEAD	0.004		COPPER	0.11	48506
264	LF87010	LEAD	0.004		COPPER	0.08	48504
265	LF87057	LEAD	0.004		COPPER	0.11	48507
266	LF87387	LEAD	0.004		COPPER	0.06	48503
267	LF87421	LEAD	0.004		COPPER	0.00	
268	LF87435	LEAD	0.004		COPPER	0.24	48503
269	LF87943	LEAD	0.004		COPPER	0.07	48503
270	LF88301	LEAD	0.004		COPPER	0.09	48507
271	LF88320	LEAD	0.004		COPPER	0.00	48503
272	LF88949	LEAD	0.004		COPPER	0.00	48504
273	LF88951	LEAD	0.004		COPPER	0.07	48503
274	LF88955	LEAD	0.004		COPPER	0.22	48503
275	LF88961	LEAD	0.004		COPPER	0.00	48503
276	LF88969	LEAD	0.004		COPPER	0.00	48504
277	LF90460	LEAD	0.004		COPPER	0.00	48505
278	LF90463	LEAD	0.004		COPPER	0.00	
279	LF82706	LEAD	0.005		COPPER	0.00	48503
280	LF84314	LEAD	0.005		COPPER	0.00	48507
281	LF85856	LEAD	0.005		COPPER	0.05	48503
282	LF85863	LEAD	0.005		COPPER	0.00	48503
283	LF85943	LEAD	0.005		COPPER	0.00	48503
284	LF86517	LEAD	0.005		COPPER	0.09	48503
285	LF87011	LEAD	0.005		COPPER	0.00	48503
286	LF87019	LEAD	0.005		COPPER	0.00	
287	LF87062	LEAD	0.005		COPPER	0.08	48507
288	LF87374	LEAD	0.005		COPPER	0.06	48503
289	LF87388	LEAD	0.005		COPPER	0.08	48507
290	LF87412	LEAD	0.005		COPPER	0.07	48507
291	LF87931	LEAD	0.005		COPPER	0.24	48503
292	LF87936	LEAD	0.005		COPPER	0.00	48503
293	LF87941	LEAD	0.005		COPPER	0.50	48504
294	LF87945	LEAD	0.005		COPPER	0.00	48507

	A	B	C	D	E	F	G
295	LF88311	LEAD	0.005		COPPER	0.00	48507
296	LF88972	LEAD	0.005		COPPER	0.00	48503
297	LF84898	LEAD	0.006		COPPER	0.00	48505
298	LF85290	LEAD	0.006		COPPER	0.07	48503
299	LF85602	LEAD	0.006		COPPER	0.00	48503
300	LF85801	LEAD	0.006		COPPER	0.10	48503
301	LF85859	LEAD	0.006		COPPER	0.15	48503
302	LF87009	LEAD	0.006		COPPER	0.07	48503
303	LF87021	LEAD	0.006		COPPER	0.11	48503
304	LF87042	LEAD	0.006		COPPER	0.00	48503
305	LF87043	LEAD	0.006		COPPER	0.00	48506
306	LF87048	LEAD	0.006		COPPER	0.00	48504
307	LF87056	LEAD	0.006		COPPER	0.16	48506
308	LF87385	LEAD	0.006		COPPER	0.00	48503
309	LF87407	LEAD	0.006		COPPER	0.32	48504
310	LF88282	LEAD	0.006		COPPER	0.00	48503
311	LF88964	LEAD	0.006		COPPER	0.00	48504
312	LF88967	LEAD	0.006		COPPER	0.00	48503
313	LF90462	LEAD	0.006		COPPER	0.00	48506
314	LF84315	LEAD	0.007		COPPER	0.00	48503
315	LF85798	LEAD	0.007		COPPER	0.00	48504
316	LF85940	LEAD	0.007		COPPER	0.20	48505
317	LF85955	LEAD	0.007		COPPER	0.41	48503
318	LF87036	LEAD	0.007		COPPER	0.00	48503
319	LF87375	LEAD	0.007		COPPER	0.30	48507
320	LF87389	LEAD	0.007		COPPER	0.08	48505
321	LF87406	LEAD	0.007		COPPER	0.05	48507
322	LF88322	LEAD	0.007		COPPER	0.22	48503
323	LF85286	LEAD	0.008		COPPER	0.15	48504
324	LF86478	LEAD	0.008		COPPER	1.11	48503
325	LF86500	LEAD	0.008		COPPER	0.07	
326	LF87018	LEAD	0.008		COPPER	0.06	48505
327	LF87034	LEAD	0.008		COPPER	0.08	48507
328	LF87038	LEAD	0.008		COPPER	0.07	48503
329	LF87928	LEAD	0.008		COPPER	0.00	48503
330	LF88279	LEAD	0.008		COPPER	0.36	48503
331	LF88289	LEAD	0.008		COPPER	0.00	48504
332	LF85949	LEAD	0.009		COPPER	0.17	48503
333	LF85956	LEAD	0.009		COPPER	0.07	48503
334	LF87060	LEAD	0.009		COPPER	0.00	48507
335	LF87065	LEAD	0.009		COPPER	0.00	
336	LF88963	LEAD	0.009		COPPER	0.25	48504

	A	B	C	D	E	F	G
337	LF85289	LEAD	0.010		COPPER	0.09	48506
338	LF85941	LEAD	0.010		COPPER	0.00	48503
339	LF87008	LEAD	0.010		COPPER	0.16	48503
340	LF87401	LEAD	0.010		COPPER	0.00	48505
341	LF87937	LEAD	0.010		COPPER	0.07	48507
342	LF85929	LEAD	0.011		COPPER	0.00	48503
343	LF87052	LEAD	0.011		COPPER	0.00	48504
344	LF87939	LEAD	0.011		COPPER	0.18	48503
345	LF85607	LEAD	0.012		COPPER	0.15	
346	LF86495	LEAD	0.012		COPPER	0.00	48506
347	LF86515	LEAD	0.012		COPPER	0.06	48504
348	LF85287	LEAD	0.013		COPPER	0.12	48507
349	LF87429	LEAD	0.013		COPPER	0.00	48505
350	LF87373	LEAD	0.014		COPPER	0.23	48507
351	LF86488	LEAD	0.015		COPPER	0.00	48503
352	LF88287	LEAD	0.015		COPPER	0.00	48504
353	LF86496	LEAD	0.016		COPPER	0.07	48506
354	LF87940	LEAD	0.016		COPPER	0.06	48503
355	LF89526	LEAD	0.016		COPPER	0.00	48503
356	LF87366	LEAD	0.017		COPPER	1.38	48506
357	LF87396	LEAD	0.017		COPPER	0.17	48506
358	LF85935	LEAD	0.018		COPPER	0.29	48503
359	LF85329	LEAD	0.019		COPPER	1.22	
360	LF87390	LEAD	0.019		COPPER	0.07	48506
361	LF84316	LEAD	0.020		COPPER	0.13	48503
362	LF87416	LEAD	0.020		COPPER	0.21	
363	LF87399	LEAD	0.021		COPPER	0.08	48507
364	LF89523	LEAD	0.021		COPPER	0.06	48503
365	LF88307	LEAD	0.026		COPPER	0.06	48532
366	LF87403	LEAD	0.027		COPPER	0.08	48505
367	LF90464	LEAD	0.027		COPPER	0.05	
368	LF81253	LEAD	0.028		COPPER	0.00	48503
369	LF85948	LEAD	0.030		COPPER	0.00	48503
370	LF86513	LEAD	0.035		COPPER	2.57	48505
371	LF88954	LEAD	0.036		COPPER	0.00	48503
372	LF85860	LEAD	0.041		COPPER	1.04	48504
373	LF86505	LEAD	0.053		COPPER	0.07	48503
374	LF87040	LEAD	0.074		COPPER	0.09	48507
375	LF85611	LEAD	0.075		COPPER	0.57	48503
376	LF87426	LEAD	0.078		COPPER	0.27	
377	LF88300	LEAD	0.088		COPPER	0.09	48503
378	LF89522	LEAD	0.116		COPPER	0.13	48503

	A	B	C	D	E	F	G
379	LF88960	LEAD	0.131		COPPER	0.55	48503
380	LF86493	LEAD	0.151		COPPER	0.14	48507
381	LF86507	LEAD	0.253		COPPER	0.18	48503
382	LF84897	LEAD	0.327		COPPER	0.19	48503

From: Krisztian, George (DEQ)
Sent: Monday, November 09, 2015 2:51 PM
To: Graham, Lois (DEQ); Shekter Smith, Liane (DEQ)
Subject: RE: DRAFT residential sampling protocol for DHHS EBL investigations

Lois,

You raise a really good question with respect to large multi-unit dwellings. From what I have been able to see there are no protocols written for such a scenario and unfortunately there does not appear to be a practical way of dealing with such a situation.

While it would be great to be able to get a large complex to cease water use, this is not really something that could be done practically while the building is occupied so we will simply need to use the protocol as is and add a comment to the report when these types of situations occur.

George

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

From: Graham, Lois (DEQ)
Sent: Monday, November 09, 2015 2:39 PM
To: Shekter Smith, Liane (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: DRAFT residential sampling protocol for DHHS EBL investigations

My comments on the attached draft are in blue
 Do DHHS staff want training for sample collection? Is a sanitarian from Genesee County also attending?

Wondering about the account billing number, is this the same as for the Flint schools? How are the sample analyses being funded?

Add a list of items needed for sample collection besides the sample units, rubber bands, Request for Analysis forms such as *one red fine Sharpie permanent marker, one ultra -fine black Sharpie permanent marker, clip board, flash light.*

Step 3, page 2

I added "cold" after BF = bathroom faucet to clarify cold water not the hot water side.

Are we providing instruction where to place the sample location identifier (i.e. KC-P1, KC-P2, KC-A1...)? I would suggest the Sampling Point description box if the collection address in that same section of the form is already completed.

Perhaps a sample Request for Analysis form filled out with information attached and refer in the document as Attachment 1? (Including billing number?)

Step 4 Prior to Sample Collection – I would move this higher to position Step 3 and right after Step 2 identify taps to be sampled if there is a home visit the day before or so to inspect plumbing. Otherwise if Step 1 & 2 is on the day of sample collection, move this above the current Step 1.

Wondering about recommended morning arrival time versus the family's morning routine to ensure no water has flowed through the plumbing; such as contacting the residents for appropriate appointment time.

Step 5 OK but we are also instructing to identify the sample as KC-P1, etc. so this part should be modified.

Step 6 – consecutive sampling

I see that these are for home samples, but I was wondering if there might be apartment samples, one former single family home split into multiple units or multi-family apartment building and wondering how these instructions would be applied for the consecutive sampling portion. How to control the water shut off period?

If multi-family apartment building, how can DHHS staff determine if there is a treatment system (softener, filters, etc.)?

-Is there more clarification needed for how to deliver the samples to the DEQ DWL? Is postage also provided, mailing boxes, or instructions to ship by UPS not US mail?

From: Shekter Smith, Liane (DEQ)

Sent: Monday, November 09, 2015 1:46 PM

To: Krisztian, George (DEQ)

Cc: Busch, Stephen (DEQ); Benzie, Richard (DEQ); Graham, Lois (DEQ); Devereaux, Tracy Jo (DEQ); Sygo, Jim (DEQ); Prysby, Mike (DEQ)

Subject: DRAFT residential sampling protocol for DHHS EBL investigations

Comments?

I'd like to send this to DHHS and to EPA by the end of the day if there are no objections.

From: Krisztian, George (DEQ)
Sent: Tuesday, November 10, 2015 1:20 PM
To: Shaler, Karen (DEQ); Thelen, Mary Beth (DEQ)
Subject: FW: Freeman, Brownell and Eisenhower

FYI

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

From: Henry, James [mailto:jhenry@gchd.us]
Sent: Tuesday, November 10, 2015 1:05 PM
To: Krisztian, George (DEQ); Vorce, Susan (DEQ)
Cc: MVALACAK@gchd.us
Subject: RE: Freeman, Brownell and Eisenhower

Hello George and Susan,
 Please withdraw GCHD's Freedom of Information Act request for Freeman Elementary School, Flint (FOIA 0731-16).

George, Thanks for following up with me. Just as a reminder, GCHD would like to assist MDEQ with collecting water samples at the Flint Schools and other locations within the City of Flint, as needed. I have confirmed staff availability and our finance department calculated \$92/hr. for reimbursement. GCHD staff are required to be paid overtime (1.5 x 92) 138/hr. when working outside the hours between 8-5pm. Please let me know if you would like our assistance.

Also, just as an FYI, I am having GCHD staff visit all Flint schools to confirm that consumption of water is being prevented.

Thanks Jim

Jim Henry RS, MBA
 Environmental Health Supervisor
 Genesee County Health Department www.gchd.us
 630 S. Saginaw St., Suite 4
 Flint, MI 48502-1540
 Phone (810) 257-3618 Fax (810) 257-3125
 E-mail jhenry@gchd.us



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For a copy of the Health Department's Notice of Information Practices, contact the Health Department or visit the Health Department's website at <http://www.gchd.us>.

Mr. Jim Henry
Genesee County Health Department
630 S. Saginaw Street, Suite 4
Flint, MI 48502-1540

Dear Mr. Henry:

SUBJECT: Request for Disclosure of Official Files

This notice is issued in response to your request for information under the Freedom of Information Act, 1976 PA 442, as amended (FOIA), received on November 6, 2015. You have requested the following information: Freeman Elementary School, Flint (FOIA 0731-16).

Your request will be forwarded to the **Executive Division**

Due to time constraints and limited resources, it is necessary to issue a 10-business day extension until December 2, 2015, as permitted under Section 5(2)(d) of the FOIA.

The Department of Environmental Quality's website contains the policy and procedure, public written summary, and several online databases.

Susan Vorce, FOIA Coordinator
Department of Environmental Quality
800-662-9278

The DEQ strives to continually improve its customer service to FOIA requestors. To provide input for improvements to the FOIA process, please complete this survey: <https://www.surveymonkey.com/s/foiaprocess>

From: Krisztian, George (DEQ) [<mailto:krisztian.g@michigan.gov>]
Sent: Monday, November 9, 2015 3:12 PM
To: Henry, James
Subject: Freeman, Brownell and Eisenhower

Hi Jim,

Sorry I could not make it to the TAC meeting today but I had to stay back to put the final touches on the data rollout. Provided that nothing unforeseen happens, the DEQ will be issuing a press release today regarding the test data so far.

I am hopeful that you will be receiving the lead and copper data for Freeman, Brownell and Eisenhower today.

I will follow up with you if we encounter any delays.

George

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

From: Krisztian, George (DEQ)
Sent: Tuesday, November 10, 2015 1:30 PM
To: Shekter Smith, Liane (DEQ); Graham, Lois (DEQ)
Subject: RE: DRAFT residential sampling protocol for DHHS EBL investigations

I think that privacy issues should be dealt with respect to each Department's own policies. In short, I don't think we include that in the protocol but let DHHS know that they need to think about the issue (which we already have done).

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

From: Shekter Smith, Liane (DEQ)
Sent: Tuesday, November 10, 2015 1:10 PM
To: Krisztian, George (DEQ); Graham, Lois (DEQ)
Subject: RE: DRAFT residential sampling protocol for DHHS EBL investigations

I can attach a sampling form as an example.

We did discuss with DHHS our suggestion that they use a code in order to avoid having addresses submitted. Do you think that needs to be in the sampling protocol?

From: Krisztian, George (DEQ)
Sent: Tuesday, November 10, 2015 1:01 PM
To: Shekter Smith, Liane (DEQ); Graham, Lois (DEQ)
Subject: RE: DRAFT residential sampling protocol for DHHS EBL investigations
Importance: High

Liane,
 Responses to your questions below

George – do we need to provide DHHS with account information or do they already have it? I believe that they already have it.

George – will ECT be expected to use the customized form that we've been using or the standard laboratory form? They should use the customized form. In addition, some thought should be given to having the form that goes to the lab exclude the address and simply include a sampling code so as to address privacy concerns.

George

George L. Krisztian
 Flint Action Plan Coordinator

Laboratory Director
 Michigan Department of Environmental Quality
 Desk ph (517) 284-6719
 Cell ph PPI

From: Shekter Smith, Liane (DEQ)
Sent: Tuesday, November 10, 2015 9:30 AM
To: Graham, Lois (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: DRAFT residential sampling protocol for DHHS EBL investigations

Responses shown below in red.

George – I have a couple of questions for you.

From: Graham, Lois (DEQ)
Sent: Monday, November 09, 2015 2:39 PM
To: Shekter Smith, Liane (DEQ)
Cc: Krisztian, George (DEQ)
Subject: RE: DRAFT residential sampling protocol for DHHS EBL investigations

My comments on the attached draft are in blue ALL SUGGESTIONS ACCEPTED. Thanks.
 Do DHHS staff want training for sample collection? Is a sanitarian from Genesee County also attending? DHHS has indicated that the sampling will be performed by a consulting firm. I believe ECT has the contract.

Wondering about the account billing number, is this the same as for the Flint schools? How are the sample analyses being funded? George – do we need to provide DHHS with account information or do they already have it?

Add a list of items needed for sample collection besides the sample units, rubber bands, Request for Analysis forms such as *one red fine Sharpie permanent marker, one ultra -fine black Sharpie permanent marker, clip board, flash light.*

Step 3, page 2

I added "cold" after BF = bathroom faucet to clarify cold water not the hot water side.

Are we providing instruction where to place the sample location identifier (i.e. KC-P1, KC-P2, KC-A1...)? I would suggest the Sampling Point description box if the collection address in that same section of the form is already completed.

Perhaps a sample Request for Analysis form filled out with information attached and refer in the document as Attachment 1? (Including billing number?) I think it would be helpful to include a sample form. George – will ECT be expected to use the customized form that we've been using or the standard laboratory form?

Step 4 Prior to Sample Collection – I would move this higher to position Step 3 and right after Step 2 identify taps to be sampled if there is a home visit the day before or so to inspect plumbing. Otherwise if Step 1 & 2 is on the day of sample collection, move this above the current Step 1. DONE.

Wondering about recommended morning arrival time versus the family's morning routine to ensure no water has flowed through the plumbing; such as contacting the residents for appropriate appointment time. DHHS indicated to us that they are very aware of the need to work with residents and to arrive early. They also indicated that they expect to be in the home at least 6 hours, so they may be able to accommodate the stagnation time and sample at the end of the day after their work is done. That way they can verify that no water was used in the interim.

Step 5 OK but we are also instructing to identify the sample as KC-P1, etc. so this part should be modified. I added #4 to indicate that they should not sample if there is an in-line filter but that it's okay to sample if there is a whole house filter. Please read and make sure that this sounds okay.

Step 6 – consecutive sampling

I see that these are for home samples, but I was wondering if there might be apartment samples, one former single family home split into multiple units or multi-family apartment building and wondering how these instructions would be applied for the consecutive sampling portion. How to control the water shut off period? We'll have to deal with this on a case-by-case basis. My thinking is that you cannot get a true stagnation, but that it shouldn't be a problem since in an apartment building you probably never would have stagnation throughout. Having an individual apartment not use the water should be sufficient, especially to evaluate exposure.

If multi-family apartment building, how can DHHS staff determine if there is a treatment system (softener, filters, etc.)? Again, probably not critical since the issue is exposure. The sampling protocol should capture what they are drinking no matter the treatment that might be present.

-Is there more clarification needed for how to deliver the samples to the DEQ DWL? Is postage also provided, mailing boxes, or instructions to ship by UPS not US mail? DHHS indicated that they are planning to drop off samples and pick up bottles directly from the lab. Most likely once or twice a week.

From: Shekter Smith, Liane (DEQ)

Sent: Monday, November 09, 2015 1:46 PM

To: Krisztian, George (DEQ)

Cc: Busch, Stephen (DEQ); Benzie, Richard (DEQ); Graham, Lois (DEQ); Devereaux, Tracy Jo (DEQ); Sygo, Jim (DEQ); Prysby, Mike (DEQ)

Subject: DRAFT residential sampling protocol for DHHS EBL investigations

Comments?

I'd like to send this to DHHS and to EPA by the end of the day if there are no objections.

From: Krisztian, George (DEQ)
Sent: Friday, November 13, 2015 1:40 PM
To: Sygo, Jim (DEQ)
Subject: FW: Technical Advisory Team Information

FYI,

This is the TAC Thread. It is best to read from the bottom up.
 George

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

From: Marc Edwards [mailto:edwardsm@vt.edu]
Sent: Thursday, November 12, 2015 10:17 AM
To: 'John O'Brien'; 'Pete Levine'; 'Howard Croft'
Cc: 'Andy Leavitt'; 'Wright, Michael'; 'Amy Hovey'; 'Anthony Chubb'; 'Brent Wright'; 'Lytle, Darren'; 'Dayne Walling'; 'Deborah Higgins'; 'donna. cole'; Dykema, Linda D. (DHHS); Wells, Eden (DHHS); Krisztian, George (DEQ); 'Gerald (Jed) Natzke'; 'James Henry'; 'Jamie Gaskin'; 'Jason Lorenz'; 'jmikewright'; 'JoAnne Herman'; 'Kevin J. Keane'; 'Kirk Smith'; larry.koehler@mcc.edu; 'Laura Sullivan'; 'Lawrence Reynolds'; 'Lawrence Reynolds'; 'Michael Glasgow'; 'Schock, Michael'; 'Mike Lane'; Prysby, Mike (DEQ); MVALACAK@gchd.us; 'Natasha Henderson'; 'Norb Birchmeier'; 'Robert Bincsik'; rosejo@msu.edu; 'Russell Hudson'; 'Samir Matta'; 'Sean Kammer'; 'Shawn Patrick McElmurry'; Busch, Stephen (DEQ); swalser@senatedems.org; Thompson, Sheryl D. (DHHS); 'Warren Green'
Subject: RE: Technical Advisory Team Information

It is my understanding that this is a water system technical advisory team. Is that correct?

And the larger group has been formed, because the state of Michigan has been breaking Federal law since April 2014, triggering a massive lead in water problem in Flint that they are covering up to the present day. The cover-up includes the repeated claim (not once retracted) that Flint has always met the provisions of the lead and copper rule, their use of methods of testing for lead that do not find lead in water problems, and throwing out samples with high lead to skew results.

As far as I know, no federal laws were broken relative to lead paint and lead from demolitions, and Flint's existing programs were having success in address those issues until the switch. So as an outsider, I too, am completely perplexed at the amount of time spent on those issues.

I am also perplexed at all the discussion on how to re-build trust with the community, when some of the state agencies involved are still not worthy of the public's trust, as evidenced by word and deed.

Marc

From: John O'Brien [mailto:jfobrien@gcdcwws.com]

Sent: Thursday, November 12, 2015 8:45 AM

To: 'Pete Levine'; Howard Croft

Cc: Andy Leavitt; Marc Edwards; Wright, Michael; Amy Hovey; Anthony Chubb; Brent Wright; Lytle, Darren; Dayne Walling; Deborah Higgins; donna. cole; dykema; Eden Wells (DHHS); George Krisztian (DEQ); Gerald (Jed) Natzke; James Henry; Jamie Gaskin; Jason Lorenz; jmikewright; JoAnne Herman; 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; 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

We are not trying to deflect the issue. Is the goal to reduce blood lead levels in the population or to ride the Flint water mistake to a virtual end?

From: Pete Levine [mailto:plevine@gcms.org]

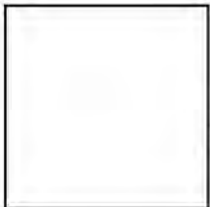
Sent: Wednesday, November 11, 2015 9:49 AM

To: Howard Croft <hcroft@cityofflint.com>

Cc: Andy Leavitt <aleavitt@senatedems.org>; Marc Edwards <edwardsm@vt.edu>; Wright, Michael <Wright.Michael@epa.gov>; Amy Hovey <Amy.Hovey@mail.house.gov>; 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>; dykema <dykema@mich.gov>; Eden Wells (DHHS) <wellse3@michigan.gov>; George Krisztian (DEQ) <krisztian@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>; 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>; Mike Lane <mjlane@umflint.edu>; Mike Prysby (DEQ) <prysbym@michigan.gov>; MVALACAK@gchd.us; Natasha Henderson <nhenderson@cityofflint.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; 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: Re: Technical Advisory Team Information

I also think it is important for folks to stop trying to deflect this crisis into a general lead abatement discussion.



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Peter A. Levine, MPH
 Executive Director
 Genesee County Medical Society
 4438 Oak Bridge Dr. Suite B

Flint, Mi, 48532
Phone:810-7339925
Fax:810-2303737
[email:plevine@gcms.org](mailto:plevine@gcms.org)

On Tue, Nov 10, 2015 at 6:57 PM, Howard Croft <hcroft@cityofflint.com> wrote:

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; dykema; 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) <welise3@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@gcdcwv.com>; Kevin J. Keane <KEVIN.KEANE@cmsenergy.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>; Schock, Michael <Schock.Michael@epa.gov>; Wright, Michael <Wright.Michael@epa.gov>; Mike Lane <milane@umflint.edu>; Mike Prysby (DEQ) <prysbymi@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 <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 <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:

PPI

Access Code:

PPI

PIN:

PPI

Thank you,

--

Howard Croft

Public Works Director

City of Flint

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Flint, MI 48502

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hcroft@cityofflint.com

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From: Krisztian, George (DEQ)
Sent: Monday, November 16, 2015 1:00 PM
To: Shaler, Karen (DEQ);Thelen, Mary Beth (DEQ)
Subject: Governor's weekly update
Attachments: 2015-11-16 Flint Drinking Water Action Plan Update.docx; Bownell and Eisenhower.xlsx

Importance: High

Attached is the draft for this week's Governor's update.

Thank you!
George

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

Flint Drinking Water Action Plan Update

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Key Actions:

- The Flint Technical Advisory Committee meeting was held on Monday November 9. The meeting included representatives from EPA, DEQ, DHHS, the City of Flint as well as other interested parties. Representatives from the city of Flint indicated that they were modifying the sampling protocol instructions to remove a reference to pre-flushing of service lines just prior to the beginning of the stagnation period for samples being utilized for compliance with the lead and copper rule. An update was given regarding a water plan that outlines short term, intermediate term and long terms goals that the city is working on in order to get switched over to the KWA. DEQ staff discussed corrosion control dosages and monitoring requirements in detail with the city and consultants. Representatives from EPA reiterated the need for higher dosages of phosphate in order to expedite the formation of a protective layer in the city's water distribution system. This would be a supplemental addition of phosphate to the water coming from Detroit which only contains what is considered to be a maintenance dose.
- The samples for Brownell STEM Academy and Eisenhower Elementary were analyzed and the data consolidated into a spread sheet. The results for both schools parallel the results found at Freeman Elementary in that the issues appear to be primarily located at the fixture. The percentage of locations needing corrective action appears to be greater than what was found at Freeman. Work has begun on putting together reports that provide recommendations for addressing the issues that were found. Once the reports have been completed they will be shared with the Flint Schools Superintendent and then the reports will be published to the "Flintwater" website.
- The samples for Doyle Ryder and Pierce Elementary Schools have been analyzed. The results for these schools are currently being compiled and evaluated.

Positions:

- There are no new positions to report since last week.

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Flint Drinking Water Action Plan Update

Page 2

Concerns:

- A Notice of intent to Sue has been filed by the National Resources Defense Council and the American Civil Liberties Union of Michigan. The subject of the notice of intent reads:

Notice of Intent to Sue Under the Safe Drinking Water Act, 42 U.S.C. § 300j-8(b)(1)(a), for Failure to Control Lead in Drinking Water in Flint, Michigan, and Failure to Assist Michigan Schools with Lead Testing and Remediation

- A letter was sent by DEQ on November 9, 2015 requesting the city of Flint to provide additional information and documentation concerning discrepancies between the water service line material reported in the Lead/Copper Reporting forms and the water service line material reported in digitized water service index cards. The city must also complete the correlation for all of the remaining lead/copper sampling locations that were used since the start of monitoring under the LCR in 1992. Any additional further discrepancies must be explained. The city must complete this task by December 29, 2015. The existence of these discrepancies has been made public by the media.

Significant Event:

- A Frequently Asked Questions Document has been prepared to address key events and decisions surrounding the Flint water situation. This document is being presented to the Governor's task force to assist in providing key information to the investigation.
- DEQ Director Dan Wyant was interviewed by Rochelle Riley on Tuesday November 10, 2015. Topics of discussion included results from Freeman Elementary, Short term, intermediate term and long term plans to address issues with Flint's water supply as well as a discussion of corrosion controls and how they will be implemented moving forward.
- DEQ Flint Action Plan Coordinator George Krisztian was interviewed by NBC News 25 on Wednesday November 11, 2015. The main topic of conversation was the results from Freeman Elementary. The main point was that the results clearly indicated that the issues at the school were fixture specific and were not deep within the plumbing infrastructure.

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Flint Drinking Water Action Plan Update

Page 3

Changes from Previous Report:

Karen, please include the items from Liane's e-mail of 11/14/15 at 1:15 PM here.

Other Items:

- The purchased total water filter/pitcher distribution through November 13 is approximately 14,000 units.
- Attached are the:
 - Draft Spreadsheets that consolidate the lead data for Brownell STEM Academy and Eisenhower Elementary School

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719
Cell: PPI
November 16, 2015

	A	B	C	D	E	F
1	SAMPLE NUMBER	ANALYTE	RESULT	Sample Description	SampleCollector	Site Code
2	LF89583	Lead	0.027	DW013-DRINKING FOUNTAIN	TJD / GLK	P1
3	LF89584	Lead	0.015	DW013-DRINKING FOUNTAIN	TJD / GLK	P2
4	LF89585	Lead	0.008	DW013-DRINKING FOUNTAIN	TJD / GLK	F01
5	LF89586	Lead	0.002	DW013-DRINKING FOUNTAIN	TJD / GLK	F02
6	LF89587	Lead	0.038	DW021-DRINKING FOUNTAIN	TJD / GLK	P1
7	LF89588	Lead	0.027	DW021-DRINKING FOUNTAIN	TJD / GLK	P2
8	LF89589	Lead	0.002	DW021-DRINKING FOUNTAIN	TJD / GLK	F01
9	LF89590	Lead	0.002	DW021-DRINKING FOUNTAIN	TJD / GLK	D02
10	LF89591	Lead	0.008	CF023-RM #7	TJD / GLK	P1
11	LF89592	Lead	0.012	CF023-RM #7	TJD / GLK	P2
12	LF89593	Lead	0.000	CF023-RM #7	TJD / GLK	F01
13	LF89594	Lead	0.000	CF023-RM #7	TJD / GLK	F02
14	LF89595	Lead	0.016	DW014-DRINKING FOUNTAIN	TJD / GLK	P1
15	LF89596	Lead	0.003	DW014-DRINKING FOUNTAIN	TJD / GLK	P2
16	LF89597	Lead	0.002	DW014-DRINKING FOUNTAIN	TJD / GLK	F01
17	LF89598	Lead	0.001	DW014-DRINKING FOUNTAIN	TJD / GLK	F02
18	LF89599	Lead	0.016	KC019-RM #4	TJD / GLK	P1
19	LF89600	Lead	0.010	KC019-RM #4	TJD / GLK	P2
20	LF89601	Lead	0.000	KC019-RM #4	TJD / GLK	F01
21	LF89602	Lead	0.000	KC019-RM #4	TJD / GLK	F02
22	LF89603	Lead	0.033	DW020-DRINKING FOUNTAIN	TJD / GLK	P1
23	LF89604	Lead	0.015	DW020-DRINKING FOUNTAIN	TJD / GLK	P2
24	LF89605	Lead	0.020	DW020-DRINKING FOUNTAIN	TJD / GLK	F01
25	LF89606	Lead	0.002	DW020-DRINKING FOUNTAIN	TJD / GLK	F02

	A	B	C	D	E	F
26	LF89607	Lead	0.012	DW002-DRINKING FOUNTAIN	TJD / GLK	P1
27	LF89608	Lead	0.007	DW002-DRINKING FOUNTAIN	TJD / GLK	P2
28	LF89609	Lead	0.004	DW002-DRINKING FOUNTAIN	TJD / GLK	F01
29	LF89610	Lead	0.001	DW002-DRINKING FOUNTAIN	TJD / GLK	F02
30	LF89611	Lead	0.011	CF022-RM #6	TJD / GLK	P1
31	LF89612	Lead	0.006	CF022-RM #6	TJD / GLK	P2
32	LF89613	Lead	0.002	CF022-RM #6	TJD / GLK	F01
33	LF89614	Lead	0.000	CF022-RM #6	TJD / GLK	F02
34	LF89615	Lead	0.009	CF006-RM 26	TJD / GLK	P1
35	LF89616	Lead	0.010	CF006-RM 26	TJD / GLK	P2
36	LF89617	Lead	0.004	CF006-RM 26	TJD / GLK	F01
37	LF89618	Lead	0.000	CF006-RM 26	TJD / GLK	F02
38	LF89619	Lead	0.056	CF004 RM 17	TJD / GLK	P1
39	LF89620	Lead	0.029	CF004-RM 17	TJD / GLK	P2
40	LF89621	Lead	0.007	CF004-RM 17	TJD / GLK	F01
41	LF89622	Lead	0.003	CF004-RM 17	TJD / GLK	F02
42	LF89623	Lead	0.011	KC016-RM-#1	TJD / GLK	P1
43	LF89624	Lead	0.003	KC016-RM-#1	TJD / GLK	P2
44	LF89625	Lead	0.002	KC016-RM-#1	TJD / GLK	F01
45	LF89626	Lead	0.000	KC016-RM-#1	TJD / GLK	F02
46	LF89627	Lead	0.013	KC017-RM #2	TJD / GLK	P1
47	LF89628	Lead	0.008	KC017-RM #2	TJD / GLK	P2
48	LF89629	Lead	0.001	KC017-RM #2	TJD / GLK	F01
49	LF89630	Lead	0.000	KC017-RM #2	TJD / GLK	F02
50	LF89631	Lead	0.010	CF018-RM #4	TJD / GLK	P1
51	LF89632	Lead	0.007	CF018-RM #4	TJD / GLK	P2
52	LF89633	Lead	0.000	CF018-RM #4	TJD / GLK	F01
53	LF89634	Lead	0.000	CF018-RM #4	TJD / GLK	F02
54	LF89635	Lead	0.007	KC015-RM #1	TJD / GLK	P1
55	LF89636	Lead	0.002	KC015-RM #1	TJD / GLK	P2
56	LF89637	Lead	0.002	KC015-RM #1	TJD / GLK	F01
57	LF89638	Lead	0.002	KC015-RM #1	TJD / GLK	F02
58	LF89639	Lead	0.031	CF005-RM 17	TJD / GLK	P1
59	LF89640	Lead	0.006	CF005-RM 17	TJD / GLK	P2
60	LF89641	Lead	0.002	CF005-RM 17	TJD / GLK	F01
61	LF89642	Lead	0.001	CF005-RM 17	TJD / GLK	F02
62	LF89643	Lead	0.064	DW001-DRINKING FOUNTAIN	TJD / GLK	P1

	A	B	C	D	E	F
63	LF89644	Lead	0.004	DW001-DRINKING FOUNTAIN	TJD / GLK	P2
64	LF89645	Lead	0.002	DW001-DRINKING FOUNTAIN	TJD / GLK	F01
65	LF89646	Lead	0.000	DW001-DRINKING FOUNTAIN	TJD / GLK	F02
66	LF89647	Lead	0.023	DW009-DRINKING FOUNTAIN	TJD / GLK	P1
67	LF89648	Lead	0.007	DW009-DRINKING FOUNTAIN	TJD / GLK	P2
68	LF89649	Lead	0.003	DW009-DRINKING FOUNTAIN	TJD / GLK	F01
69	LF89650	Lead	0.002	DW009-DRINKING FOUNTAIN	TJD / GLK	F02
70	LF89651	Lead	0.025	CF010-RM 27	TJD / GLK	P1
71	LF89652	Lead	0.034	CF010-RM 27	TJD / GLK	P2
72	LF89653	Lead	0.002	CF010-RM 27	TJD / GLK	F01
73	LF89654	Lead	0.000	CF010-RM 27	TJD / GLK	F02
74	LF89655	Lead	0.164	CF007-RM 26	TJD / GLK	P1
75	LF89656	Lead	0.166	CF007-RM 26	TJD / GLK	P2
76	LF89657	Lead	0.015	CF007-RM 26	TJD / GLK	F01
77	LF89658	Lead	0.001	CF007-RM 26	TJD / GLK	F02
78	LF89659	Lead	0.007	CF003-RM 15	TJD / GLK	P1
79	LF89660	Lead	0.011	CF003 RM 15	TJD / GLK	P2
80	LF89661	Lead	0.001	CF003-RM 15	TJD / GLK	F01
81	LF89662	Lead	0.000	CF003-RM 15	TJD / GLK	F02
82	LF89663	Lead	0.000	CF012	TJD / GLK	P1
83	LF89664	Lead	0.014	CF012	TJD / GLK	P2
84	LF89665	Lead	0.000	CF012	TJD / GLK	F01
85	LF89666	Lead	0.000	CF012	TJD / GLK	F02
86	LF89667	Lead	0.011	WC011-DRINKING FOUNTAIN	TJD / GLK	P1
87	LF89668	Lead	0.014	WC011-DRINKING FOUNTAIN	TJD / GLK	P2
88	LF89669	Lead	0.014	WC011-DRINKING FOUNTAIN	TJD / GLK	F01
89	LF89670	Lead	0.002	WC011-DRINKING FOUNTAIN	TJD / GLK	F02
90	LF89671	Lead	0.046	DW008-DRINKING FOUNTAIN	TJD / GLK	P1
91	LF89672	Lead	0.011	DW008-DRINKING FOUNTAIN	TJD / GLK	P2

	A	B	C	D	E	F
92	LF89673	Lead	0.004	DW008-DRINKING FOUNTAIN	TJD / GLK	F01
93	LF89674	Lead	0.001	DW008-DRINKING FOUNTAIN	TJD / GLK	F02
94	LF89694	Lead	0.010	CF004 - RM #17	TJD/GLK	CA1
95	LF89677	Lead	0.002	CF004 - RM #17	TJD/GLK	CA10
96	LF89702	Lead	0.003	CF004 - RM #17	TJD/GLK	CA2
97	LF89700	Lead	0.003	CF004 - RM #17	TJD/GLK	CA3
98	LF89691	Lead	0.003	CF004 - RM #17	TJD/GLK	CA4
99	LF89680	Lead	0.002	CF004 - RM #17	TJD/GLK	CA5
100	LF89693	Lead	0.002	CF004 - RM #17	TJD/GLK	CA6
101	LF89687	Lead	0.002	CF004 - RM #17	TJD/GLK	CA7
102	LF89688	Lead	0.002	CF004 - RM #17	TJD/GLK	CA8
103	LF89699	Lead	0.002	CF004 - RM #17	TJD/GLK	CA9
104	LF89695	Lead	0.002	CF012 -	TJD/GLK	CB1
105	LF89678	Lead	0.000	CF012	TJD/GLK	CB10
106	LF89689	Lead	0.000	CF012	TJD/GLK	CB2
107	LF89683	Lead	0.000	CF012	TJD/GLK	CB3
108	LF89676	Lead	0.000	CF012	TJD/GLK	CB4
109	LF89686	Lead	0.000	CF012	TJD/GLK	CB5
110	LF89696	Lead	0.000	CF012	TJD/GLK	CB6
111	LF89692	Lead	0.000	CF012	TJD/GLK	CB7
112	LF89681	Lead	0.000	CF012	TJD/GLK	CB8
113	LF89679	Lead	0.000	CF012	TJD/GLK	CB9
114	LF89697	Lead	0.002	CF023	TJD/GLK	CC1
115	LF89685	Lead	0.000	CF023	TJD/GLK	CC10
116	LF89701	Lead	0.000	CF023	TJD/GLK	CC2
117	LF89682	Lead	0.000	CF023	TJD/GLK	CC3
118	LF89690	Lead	0.000	CF023	TJD/GLK	CC4
119	LF89675	Lead	0.000	CF023	TJD/GLK	CC5
120	LF89698	Lead	0.000	CF023	TJD/GLK	CC6
121	LF89704	Lead	0.000	CF023	TJD/GLK	CC7
122	LF89684	Lead	0.000	CF023	TJD/GLK	CC8
123	LF89703	Lead	0.000	CF023	TJD/GLK	CC9

	A	B	C	D	E	F
1	SAMPLE NUMBER	ANALYTE	RESULT	Sample Description	SampleCollector	Site Code
2	LF89705	Lead	0.036	01CF014 RM104	M PRYSBY/L GRAHAM	P1
3	LF89706	Lead	0.036	01CF014 RM104	M PRYSBY/L GRAHAM	P2
4	LF89707	Lead	0.002	01CF014 RM104	M PRYSBY/L GRAHAM	F-01
5	LF89708	Lead	0.001	01CF014 RM 104	M PRYSBY/L GRAHAM	F-02
6	LF89709	Lead	0.009	02CF021 RM201	M PRYSBY/L GRAHAM	P-1
7	LF89710	Lead	0.009	02CF021 RM201	M PRYSBY/L GRAHAM	P2
8	LF89711	Lead	0.000	02CF021 RM201	M PRYSBY/L GRAHAM	F-01
9	LF89712	Lead	0.000	02CF021 RM201	M PRYSBY/L GRAHAM	F-02
10	LF89713	Lead	0.012	02DW023 RM202	M PRYSBY/L GRAHAM	P1
11	LF89714	Lead	0.009	02DW023 RM202	M PRYSBY/L GRAHAM	P2
12	LF89715	Lead	0.001	02DW023 RM202	M PRYSBY/L GRAHAM	F-01
13	LF89716	Lead	0.000	02DW023 RM202	M PRYSBY/L GRAHAM	F-02
14	LF89717	Lead	0.013	01CF010RM102	M PRYSBY/L GRAHAM	P1
15	LF89718	Lead	0.002	01CF010RM102	M PRYSBY/LOIS GRAHAM	P2
16	LF89719	Lead	0.000	01CF010RM102	M PRYSBY/L GRAHAM	F01
17	LF89720	Lead	0.000	01CF010RM102	M PRYSBY/L GRAHAM	F02
18	LF89721	Lead	0.043	01DW013 RM104	M PRYSBY/L GRAHAM	P1
19	LF89722	Lead	0.106	01DW013 RM104	M PRYSBY/L GRAHAM	P2
20	LF89723	Lead	0.003	01DW013 RM104	M PRYSBY/L GRAHAM	F-01
21	LF89724	Lead	0.002	01DW013 - RM104	M PRYSBY/L GRAHAM	F-02
22	LF89725	Lead	0.037	02DW020 RM201	M PRYSBY/L GRAHAM	P1
23	LF89726	Lead	0.024	02DW020 RM201	M PRYSBY/L GRAHAM	P2
24	LF89727	Lead	0.002	02DW020 RM201	M PRYSBY/L GRAHAM	F-01
25	LF89728	Lead	0.000	02DW020 RM201	M PRYSBY/L GRAHAM	F-02
26	LF89729	Lead	0.012	01CF012 RM103	M PRYSBY/L GRAHAM	P1
27	LF89730	Lead	0.012	01CF012 RM103	M PRYSBY/L GRAHAM	P2
28	LF89731	Lead	0.003	01CF012 RM103	M PRYSBY/L GRAHAM	F-01
29	LF89732	Lead	0.002	01CF012 RM103	M PRYSBY/L GRAHAM	F-02
30	LF89733	Lead	0.009	01DW009 RM102	PRYSBY M/L GRAHAM	P1
31	LF89734	Lead	0.003	01DW009 RM102	M PRYSBY/L GRAHAM	P2
32	LF89735	Lead	0.000	01DW009 RM102	M PRYSBY/L GRAHAM	F-01
33	LF89736	Lead	0.000	01DW009 RM102	M PRYSBY/L GRAHAM	F-02
34	LF89737	Lead	0.013	01DW011 RM103	M PRYSBY/L GRAHAM	P1
35	LF89738	Lead	0.004	01DW011 RM103	M PRYSBY/L GRAHAM	P2
36	LF89739	Lead	0.002	01DW011 RM103	M PRYSBY/L GRAHAM	F-01
37	LF89740	Lead	0.001	01DW011 RM103	M PRYSBY/L GRAHAM	F-02
38	LF89741	Lead	0.007	02CF022 RM202	M PRYSBY/L GRAHAM	P-1
39	LF89742	Lead	0.024	02CF022 - RM202	M PRYSBY	P2
40	LF89743	Lead	0.002	02CF022 - RM202	M PRYSBY/L GRAHAM	F-01
41	LF89744	Lead	0.001	02CF022 - RM202	M PRYSBY/L GRAHAM	F-02
42	LF89745	Lead	0.014	01CF008 RM101	M PRYSBY/L GRAHAM	P1

	A	B	C	D	E	F
43	LF89746	Lead	0.011	01CF008 - RM101	M PRYSBY/L GRAHAM	P2
44	LF89747	Lead	0.001	01CF008 RM101	M PRYSBY/L GRAHAM	F-01
45	LF89748	Lead	0.001	01CF008 - RM101	M PRYSBY/L GRAHAM	F-02
46	LF89749	Lead	0.011	01DW007 RM101	M PRYSBY/L GRAHAM	P1
47	LF89750	Lead	0.010	01DW007 RM101	M PRYSBY/L GRAHAM	P2
48	LF89751	Lead	0.002	01DW007 RM101	M PRYSBY/L GRAHAM	F-01
49	LF89752	Lead	0.000	01DW007 RM101	M PRYSBY/L GRAHAM	F-02
50	LF89753	Lead	0.032	01DW001 GYM	M PRYSBY/L GRAHAM	P1
51	LF89754	Lead	0.006	01DW001 GYM	M PRYSBY/L GRAHAM	P2
52	LF89755	Lead	0.005	01DW001 GYM	M PRYSBY/L GRAHAM	F-01
53	LF89756	Lead	0.003	01DW001 GYM	M PRYSBY/L GRAHAM	F-02
54	LF89757	Lead	0.017	01CF004 RO10M 109	M PRYSBY/L GRAHAM	P1
55	LF89758	Lead	0.010	01CF004 ROOM109	M PRYSBY/L GRAHAM	P2
56	LF89759	Lead	0.001	01CF004 ROOM109	M PRYSBY/L GRAHAM	F-01
57	LF89760	Lead	0.002	01CF004 ROOM109	M PRYSBY/L GRAHAM	F-02
58	LF89761	Lead	0.013	01DW003 ROOM109	PRYSBY M/L GRAHAM	P1
59	LF89762	Lead	0.003	01DW003 ROOM109	M PRYSBY/L GRAHAM	P2
60	LF89763	Lead	0.002	01DW003 ROOM109	M PRYSBY/L GRAHAM	F-01
61	LF89764	Lead	0.001	01DW003 ROOM109	M PRYSBY/L GRAHAM	F-02
62	LF89765	Lead	0.014	01CF006 CLINIC	M PRYSBY/L GRAHAM	P1
63	LF89766	Lead	0.003	01CF006 CLINIC	M PRYSBY/L GRAHAM	P2
64	LF89767	Lead	0.001	01CF006 CLINIC	M PRYSBY/L GRAHAM	F-01
65	LF89768	Lead	0.000	01CF006 CLINIC	M PRYSBY/L GRAHAM	F-02
66	LF89769	Lead	0.017	04KC043 UNIT2	M PRYSBY/L GRAHAM	P1
67	LF89770	Lead	0.003	04KC043 UNIT2	M PRYSBY/L GRAHAM	P2
68	LF89771	Lead	0.002	04KC043 UNIT 2	M PRYSBY/L GRAHAM	F-01
69	LF89772	Lead	0.003	04KC043-UNIT 2	M PRYSBY/L GRAHAM	F-02
70	LF89773	Lead	0.000	03DW039 - UNIT 1	M PRYSBY/L GRAHAM	P1
71	LF89774	Lead	0.000	03DW039 - UNIT 1	M PRYSBY/L GRAHAM	P2
72	LF89775	Lead	0.000	03DW039 - UNIT 1	M PRYSBY/L GRAHAM	F-01
73	LF89776	Lead	0.000	03DW039 - UNIT 1	M PRYSBY/L GRAHAM	F-02
74	LF89777	Lead	0.004	01KC005 - COMMUNITY ROOM	M PRYSBY/L GRAHAM	P1
75	LF89778	Lead	0.004	01KC005 COMMUNITY	M PRYSBY/L GRAHAM	P2
76	LF89779	Lead	0.001	01KC005 COMMUNITY	M PRYSBY/L GRAHAM	F-01
77	LF89780	Lead	0.000	01KC005 COMMUNITY	L GRAHAM/M PRYSBY	F-02
78	LF89781	Lead	0.017	01WC002 HALL	M PRYSBY/L GRAHAM	P1
79	LF89782	Lead	0.017	01WC002 HALL	M PRYSBY/L GRAHAM	P2
80	LF89783	Lead	0.012	01WC002 HALL	M PRYSBY/L GRAHAM	F-01
81	LF89784	Lead	0.003	01 WC002 HALL	M PRYSBY/L GRAHAM	F-02
82	LF89785	Lead	0.012	03KC041- UNIT 1	MIKE PRYSBY/LOIS GRAHAM	P1
83	LF89786	Lead	0.004	03KC041 - UNIT1	MIKE PRYSBY/LOIS GRAHAM	P2

	A	B	C	D	E	F
84	LF89787	Lead	0.000	03KC041-UNIT1	MIKE PRYSBY/LOIS GRAHAM	F-01
85	LF89788	Lead	0.000	03KC041 - UNIT1	MIKE PRYSBY/LOIS GRAHAM	F-02
86	LF89789	Lead	0.005	03DW38 - UNIT1	M PRYSBY/L GRAHAM	P1
87	LF89790	Lead	0.001	03DW038 - UNIT 1	M PRYSBY/L GRAHAM	P2
88	LF89791	Lead	0.000	03DW038 - UNIT 1	M PRYSBY/L GRAHAM	F-01
89	LF89792	Lead	0.000	03DW038 UNIT1	M PRYSBY/L GRAHAM	F-02
90	LF89793	Lead	0.012	03KC040 UNIT 1	MIKE PRYSBY/LOIS GRAHAM	P1
91	LF89794	Lead	0.002	03KC040 UNIT1	MIKE PRYSBY/ LOIS GRAHAM	P2
92	LF89795	Lead	0.001	03KC040 UNIT 1	MIKE PRYSBY/LOIS GRAHAM	F-01
93	LF89796	Lead	0.000	03KC040 UNIT1	MIKE PRYSBY	F-02
94	LF89797	Lead	0.011	04KC044 - UNIT 2	M PRYSBY/L GRAHAM	P1
95	LF89798	Lead	0.003	04KC044-UNIT 2	M PRYSBY/L GRAHAM	P2
96	LF89799	Lead	0.001	04KC044 - UNIT 2	M PRYSBY/L GRAHAM	F-01
97	LF89800	Lead	0.000	04KC044 UNIT2	M PRYSBY/L GRAHAM	F-02
98	LF89801	Lead	0.007	02CF036 RM209	M PRYSBY/L GRAHAM	P7
99	LF89802	Lead	0.021	02CF036 RM209	M PRYSBY/L GRAHAM	P2
100	LF89803	Lead	0.005	02CF036 RM209	M PRYSBY/L GRAHAM	F07
101	LF89804	Lead	0.001	02CF036 RM209	M PRYSBY/L GRAHAM	F02
102	LF89805	Lead	0.012	02DW035 RM208	M PRYSBY/L GRAHAM	P1
103	LF89806	Lead	0.019	02DW035 RM208	M PRYSBY/L GRAHAM	P2
104	LF89807	Lead	0.006	02DW035 RM208	M PRYSBY/L GRAHAM	F01
105	LF89808	Lead	0.003	02DW035 RM208	M PRYSBY/L GRAHAM	F02
106	LF89809	Lead	0.019	02CF034 RM208	M PRYSBY/L GRAHAM	P1
107	LF89810	Lead	0.012	02CF034 RM208	M PRYSBY/L GRAHAM	P2
108	LF89811	Lead	0.003	02CF034 RM208	M PRYSBY/L GRAHAM	F01
109	LF89812	Lead	0.002	02CF034 RM 208	M PRYSBY/L GRAHAM	F02
110	LF89813	Lead	0.020	02DW033 RM207	M PRYSBY/L GRAHAM	P1
111	LF89814	Lead	0.004	02DW033 RM207	M PRYSBY/L GRAHAM	P2
112	LF89815	Lead	0.003	02DW033 RM207	M PRYSBY/L GRAHAM	F-01
113	LF89816	Lead	0.003	02DW033 RM207	M PRYSBY/L GRAHAM	F-02
114	LF89817	Lead	0.017	01KC019 RM108	M PRYSBY/L GRAHAM	P1
115	LF89818	Lead	0.005	01KC019 RM108	M PRYSBY/L GRAHAM	P2
116	LF89819	Lead	0.004	01KC019 RM108	M PRYSBY/L GRAHAM	F-01
117	LF89820	Lead	0.001	01KC019 RM108	M PRYSBY/L GRAHAM	F-02
118	LF89821	Lead	0.021	02CF032 RM207	M PRYSBY/L GRAHAM	P1
119	LF89822	Lead	0.023	02CF032 RM207	M PRYSBY/L GRAHAM	P2
120	LF89823	Lead	0.005	02CF032 RM207	M PRYSBY/L GRAHAM	F-01
121	LF89824	Lead	0.001	02CF032 RM207	M PRYSBY/L GRAHAM	F-02
122	LF89825	Lead	0.008	02DW037 RM209	M PRYSBY/L GRAHAM	P1
123	LF89826	Lead	0.002	02DW037 RM209	M PRYSBY/L GRAHAM	P2
124	LF89827	Lead	0.002	02DW037 RM209	M PRYSBY/L GRAHAM	F-01
125	LF89828	Lead	0.002	02DW037 RM209	M PRYSBY/L GRAHAM	F-02

	A	B	C	D	E	F
126	LF89829	Lead	0.013	02DW025 RM203	PRSYBY M/L GRAHAM	P1
127	LF89830	Lead	0.004	02DW025 RM203	M PRYSBY/L GRAHAM	P2
128	LF89831	Lead	0.005	02DW025 RM203	M PRYSBY/L GRAHAM	F-01
129	LF89832	Lead	0.004	02DW025 RM203	PRYSBY M/L GRAHAM	F-02
130	LF89833	Lead	0.018	02DW027 RM204	PRYSBY M/L GRAHAM	P1
131	LF89834	Lead	0.008	02DW027 RM204	PRYSBY M/L GRAHAM	P2
132	LF89835	Lead	0.002	02DW027 RM204	M PRYSBY/L GRAHAM	F-01
133	LF89836	Lead	0.001	02DW027 RM204	M PRYSBY/L GRAHAM	F-02
134	LF89837	Lead	0.014	02CF026 - 4M 204	PRYSBY M/L GRAHAM	P1
135	LF89838	Lead	0.004	02CF026 RM204	PRYSBY M/L GRAHAM	P2
136	LF89839	Lead	0.000	02CF026 RM 204	M PRYSBY/L GRAHAM	F-01
137	LF89840	Lead	0.000	02CF026 RM204	M PRYSBY/L GRAHAM	F-02
138	LF89841	Lead	0.084	02DW031 RM206	M PRYSBY/ L GRAHAM	P1
139	LF89842	Lead	0.007	02DW031 RM206	M PRYSBY/ L GRAHAM	P2
140	LF89843	Lead	0.001	02DW031 RM206	M PRYSBY/L GRAHAM	F01
141	LF89844	Lead	0.000	02DW031 RM206	M PRYSBY/L GRAHAM	F02
142	LF89845	Lead	0.039	02DW029 RM205	M PRYSBY/L GRAHAM	P1
143	LF89846	Lead	0.014	02DW029 RM205	M PRYSBY/L GRAHAM	P2
144	LF89847	Lead	0.011	02DW029 RM205	M PRYSBY/L GRAHAM	F-01
145	LF89848	Lead	0.001	02DW029 RM205	M PRYSBY/L GRAHAM	F-02
146	LF89849	Lead	0.012	02CF028 RM205	M PRYSBY/L GRAHAM	P1
147	LF89850	Lead	0.005	02CF028 RM205	M PRYSBY/L GRAHAM	P2
148	LF89851	Lead	0.000	02CF028 RM205	M PRYSBY/L GRAHAM	F01
149	LF89852	Lead	0.000	02CF028 RM205	M PRYSBY/L GRAHAM	F02
150	LF89853	Lead	0.012	07DW017 RM107	M PRYSBY/L GRAHAM	P1
151	LF89854	Lead	0.009	01DW017 RM107	M PRYSBY/L GRAHAM	P2
152	LF89855	Lead	0.002	01DW017 RM107	M PRYSBY/L GRAHAM	F01
153	LF89856	Lead	0.001	01DW017 RM107	M PRYSBY/L GRAHAM	F02
154	LF89857	Lead	0.010	01DW015 RM106	M PRYSBY/L GRAHAM	P1
155	LF89858	Lead	0.002	01DW015 RM106	M PRYSBY/L GRAHAM	P2
156	LF89859	Lead	0.001	01DW015 RM106	M PRYSBY/L GRAHAM	F-01
157	LF89860	Lead	0.000	01DW015 RM106	M PRYSBY/L GRAHAM	F-02
158	LF89861	Lead	0.009	01CF018 RM107	M PRYSBY/L GRAHAM	P1
159	LF89862	Lead	0.006	01CF018 RM107	M PRYSBY/L GRAHAM	P2
160	LF89863	Lead	0.001	01CF018 RM107	M PRYSBY/L GRAHAM	F07
161	LF89864	Lead	0.000	01CF078 RM107	M PRYSBY/L GRAHAM	F02
162	LF89865	Lead	0.010	02CF030 RM206	M PRYSBY/L GRAHAM	P1
163	LF89866	Lead	0.008	02CF030 RM206	M PRYSBY/L GRAHAM	P2
164	LF89867	Lead	0.002	02CF030 RM206	M PRYSBY/L GRAHAM	F-01
165	LF89868	Lead	0.000	02CF030 RM206	M PRYSBY/L GRAHAM	F-02
166	LF89869	Lead	0.402	01CF016 - RM106	PRYSBY M/L GRAHAM	P1
167	LF89870	Lead	0.061	01CF016 - RM106	M PRYSBY/L GRAHAM	P2

	A	B	C	D	E	F
168	LF89871	Lead	0.004	01CF016 - RM106	M PRYSBY/L GRAHAM	F-01
169	LF89872	Lead	0.001	01CF016 - RM106	M PRYSBY/L GRAHAM	F-02
170	LF89873	Lead	0.014	02CF024 RM203	M PRYSBY/L GRAHAM	P1
171	LF89874	Lead	0.015	02CF024 RM203	PRYSBY M/L GRAHAM	P2
172	LF89875	Lead	0.006	02CF024 RM203	PRYSBY M/L GRAHAM	F-01
173	LF89876	Lead	0.002	02CF024 RM203	PRYSBY M/L GRAHAM	F-02
174	LF89877	Lead	0.001	03KC040 - UNIT 1	M PRYSBY/L GRAHAM	A1
175	LF89878	Lead	0.000	03KC040 - UNIT 1	M PRYSBY/L GRAHAM	A2
176	LF89879	Lead	0.000	03KC040 - UNIT 1	M PRYSBY/L GRAHAM	A3
177	LF89880	Lead	0.000	03KC040 - UNIT 1	M PRYSBY/L GRAHAM	A4
178	LF89881	Lead	0.000	03KC040 - UNIT 1	M PRYSBY/L GRAHAM	A5
179	LF89882	Lead	0.000	03KC040 - UNIT 1	M PRYSBY/L GRAHAM	A6
180	LF89883	Lead	0.000	03KC040 - UNIT 1	M PRYSBY/L GRAHAM	A7
181	LF89884	Lead	0.000	03KC040 UNIT 1	M PRYSBY/L GRAHAM	A8
182	LF89885	Lead	0.000	03KC040 UNIT 1	M PRYSBY/L GRAHAM	A9
183	LF89886	Lead	0.000	03KC040 UNIT 1	M PRYSBY/L GRAHAM	A10
184	LF89887	Lead	0.002	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B1
185	LF89888	Lead	0.000	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B2
186	LF89889	Lead	0.000	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B3
187	LF89890	Lead	0.000	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B4
188	LF89891	Lead	0.000	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B5
189	LF89892	Lead	0.000	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B6
190	LF89893	Lead	0.001	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B7
191	LF89894	Lead	0.001	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B8
192	LF89895	Lead	0.000	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B9
193	LF89896	Lead	0.000	04KC044 UNIT 2	M PRYSBY/L GRAHAM	B10
194	LF89897	Lead	0.003	01CF004 - RM 109	M PRYSBY/L GRAHAM	C1
195	LF89898	Lead	0.000	01CF004 - RM 109	M PRYSBY/L GRAHAM	C2
196	LF89899	Lead	0.000	01CF004 - RM 109	M PRYSBY/L GRAHAM	C3
197	LF89900	Lead	0.000	01CF004 RM 109	M PRYSBY/L GRAHAM	C4
198	LF89901	Lead	0.000	01CF004 RM 109	M PRYSBY/L GRAHAM	C5
199	LF89902	Lead	0.000	01CF004 RM 109	M PRYSBY/L GRAHAM	C6
200	LF89903	Lead	0.000	01CF004 RM 109	M PRYSBY/L GRAHAM	C7
201	LF89904	Lead	0.000	01CF004 RM 109	M PRYSBY/L GRAHAM	C8
202	LF89905	Lead	0.000	01CF004 RM 109	M PRYSBY/L GRAHAM	C9
203	LF89906	Lead	0.000	01CF004 R 109	M PRYSBY/L GRAHAM	C10
204	LF89907	Lead	0.002	01CF010 RM 102	M PRYSBY/L GRAHAM	D1
205	LF89908	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D2
206	LF89909	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D3
207	LF89910	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D4
208	LF89911	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D5
209	LF89912	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D6

	A	B	C	D	E	F
210	LF89913	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D7
211	LF89914	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D8
212	LF89915	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D9
213	LF89916	Lead	0.000	01CF010 RM 102	M PRYSBY/L GRAHAM	D10
214	LF89917	Lead	0.003	02CF036 RM 209	M PRYSBY/L GRAHAM	E1
215	LF89918	Lead	0.001	02CF036 - RM 209	M PRYSBY/L GRAHAM	E-2
216	LF89919	Lead	0.001	02CF036 - RM 209	M PRYSBY/L GRAHAM	E3
217	LF89920	Lead	0.001	02CF036 RM 209	M PRYSBY/L GRAHAM	E4
218	LF89921	Lead	0.000	02CF036 RM 209	M PRYSBY/L GRAHAM	E5
219	LF89922	Lead	0.000	02CF036 RM 209	M PRYSBY/L GRAHAM	E6
220	LF89923	Lead	0.000	02CF036 RM 209	M PRYSBY/L GRAHAM	E7
221	LF89924	Lead	0.000	02CF036 RM 209	M PRYSBY/L GRAHAM	E8
222	LF89925	Lead	0.000	02CF036 RM 209	M PRYSBY/L GRAHAM	E9
223	LF89926	Lead	0.000	02CF036 RM 209	M PRYSBY/L GRAHAM	E10

From: Krisztian, George (DEQ)
Sent: Tuesday, November 17, 2015 8:28 AM
To: Pieper, Julia (DEQ);Shane, Kirby (DEQ)
Subject: RE: adding comments through query

Importance: High

OK, the comments have been added. Please go in and spot check a few. The start and end of each range plus something in the middle would probably be good.

We need to place an informal hold on these samples. I want to go in and run a query to verify that there are no data coding issues. Please let me know when the data coding and testing is done and I will run the query and highlight any potential issues and send them back to you.

George

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

PPI

From: Pieper, Julia (DEQ)
Sent: Tuesday, November 17, 2015 8:12 AM
To: Krisztian, George (DEQ); Shane, Kirby (DEQ)
Subject: RE: adding comments through query

Samples LF91964 through 91999 and LF92050 thru 92265 were collected in 125 mL bottles. Are we holding results from this sampling event for data review?

Julia Pieper
Drinking Water Coordinator
Organic Sub-Unit Manager
DEQ-RRD-Laboratory Services
pieperj2@michigan.gov
(517)-335-8076 phone
(517)-335-8562 fax

From: Krisztian, George (DEQ)
Sent: Tuesday, November 17, 2015 7:39 AM
To: Shane, Kirby (DEQ)
Cc: Pieper, Julia (DEQ)
Subject: RE: adding comments through query
Importance: High

I figured out how to do this. It's a little different because I cannot do it through a query but it is nearly as good.

Kirby, Please keep the attached spreadsheet. I will show you how to use it to enter blocks of comments.

Please get me the sample ranges of the 125 ml bottle samples and I will take care of them on this end and then I will show you how to do this for future batches.

George

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

PPI

From: Shane, Kirby (DEQ)
Sent: Monday, November 16, 2015 4:57 PM
To: Krisztian, George (DEQ)
Cc: Pieper, Julia (DEQ)
Subject: adding comments through query

George – Is there a good time in the morning for Julia and I to call you about creating a query to add the 125mL bottle comment to drinking water samples collected over the weekend? Or, if you're coming out for donuts and cider at ten, maybe we could do it then?

Thanks!

Kirby Shane
Chief, Inorganic Unit
Laboratory Services
MichiganDEQ
shanek@michigan.gov
517.335.9888

From: Krisztian, George (DEQ)
Sent: Tuesday, November 17, 2015 1:25 PM
To: Sygo, Jim (DEQ)
Subject: Fwd: EBL Water Sampling Protocol
Attachments: image001.gif; ATT00001.htm; Revised Draft EBL Water Protocol 17Nov15.docx; ATT00002.htm

FYI

Sent from my iPhone

Begin forwarded message:

From: "Dykema, Linda D. (DHHS)" <DykemaL@michigan.gov>
Date: November 17, 2015 at 11:11:50 AM EST
To: "Krisztian, George (DEQ)" <krisztian@michigan.gov>, "Shekter Smith, Liane (DEQ)" <SHEKTERL@michigan.gov>, "Busch, Stephen (DEQ)" <BUSCHS@michigan.gov>
Cc: "Priem, Wesley F. (DHHS)" <priemw@michigan.gov>, "Groetsch, Kory J. (DHHS)" <GroetschK@michigan.gov>, "Wisinski, Courtney (DHHS)" <wisinskiC@michigan.gov>
Subject: EBL Water Sampling Protocol

Attached is the revised EBL water sampling protocol. I believe it remains consistent with the intent of DEQ's draft, while making the instructions a little easier to follow for our contractors. After some discussion here, we eliminated some of the preliminary steps either because the information would be collected prior to the water sampling event (e.g., year home built) or because elements of the plumbing are just outside the scope of an EBL investigation. I left some comments in that I hope DEQ can address. In particular, we need contact information for the lab that the contractors may need to coordinate getting the sampling kits and delivering the collected samples.

ETC will be in the field on Thursday 11/19. If we cannot finalize this in time for that investigation, they'll discuss returning to collect the water samples on another day.

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

DRAFT – WORK IN PROGRESS**Protocol for Collecting Residential Drinking Water Samples for Lead Analysis**

The following protocol will be used by the Michigan Department of Health and Human Services (MDHHS) to ensure that residential drinking water samples are collected in a systematic, consistent manner as part of an elevated blood lead (EBL) investigation. The results will be used to evaluate human exposure and to identify plumbing components that are contributing lead to household drinking water.

MDHHS will:

- Collect water samples from the kitchen faucet used for drinking and cooking; a secondary faucet, most likely a bathroom sink; and any additional faucets based on frequency of use for consumptive purposes.
- Collect two small volume [125 milliliter (mL)] first-draw samples from each cold faucet to evaluate exposure to lead in drinking water.
- Collect ten large volume [1 liter (L)] sequential samples from the kitchen cold faucet to identify plumbing components that are contributing lead to the household water supply.
- Incorporate the results of water testing into the EBL investigation report.

Comment [DLD(1)]: HHS will draft language to be included in the EBL report.

Before the EBL Inspection

Obtain information about the age of the house and any building additions. Identify if there are any records of previous water testing in the past two years.

Instruct residents not use any water in the house for any purpose (including toilet flushing) for at least 6 hours prior to sample collection.

Comment [DLD(2)]: Timing will depend on when the EBL is scheduled.

Step 1 – Prior to Sample Collection

Sampling staff should confirm upon arrival at the home that no water has been used in the home for at least 6 hours prior to sample collection.

Step 2 – Identify and Label the Sample Faucets

- Identify the primary cold kitchen faucet.
- Identify a secondary cold faucet based on use: most likely a bathroom sink.
- Identify any additional cold faucets that are frequently used.

Comment [GKJ(3)]: A map? - hand drawn should be sufficient – to identify location of sampled faucets – 1st floor / 2nd floor – label map with KF or BF or OF.

Document each sampling location with digital photos. Note the presence of any potential brass components or treatment devices, and whether the faucet has an aerator. Document other noteworthy items for each location such as leaky faucet, rust stained sink, etc. Document any exposed plumbing in the basement, if possible.

If a temporary in-line filter is installed on the faucet, use the by-pass lever to collect unfiltered water samples. A whole house filter does not preclude sampling, as this is a permanent filter and representative of actual exposure.

Each water sample must be given a unique identification (ID) code that identifies the location of the faucet, the sample volume, and the order of sample collection.

Faucet location is indicated as follows:

- KF = kitchen faucet, cold
- BF = bathroom faucet, cold
- OF = other faucet, cold (specify type)

The two 125-mL first draw samples are labeled in order of collection P1 and P2. For example, the ID codes for the bathroom faucet samples would be BF-P1 and BF-P2.

The 10 large volume 1-L sequential samples collected from the kitchen faucet are labeled A1 through A10. For example, the first sequential sample at the kitchen faucet is labeled KF-A1, the second is labeled KF-A2 ... through KF-A10.

Step 3 – Collect the Small Volume Samples

Before sample collection:

1. Write the assigned ID code on each sample bottle's green label using a black Ultra Fine Point Sharpie permanent marker. To ensure clarity for the DEQ lab, draw a slash mark through each zero, the number one is a straight vertical line (no hat or foot), and cross each number seven.
2. Next, remove the cap from each bottle and label using a red Fine Point Sharpie permanent marker. Write '1' on the white cap of the bottle marked as P1; write '2' on the cap of the bottle marked as P2.
3. Complete the *Request for Analysis* forms for each sample using a pen, pencil or black Sharpie. If the Lead and Copper analyses is not already selected, mark as 32CC for the 125-mL samples.

Collect 125-mL samples from all secondary faucets before collecting any samples from the primary kitchen faucet. Collect the P1 sample as the very first-draw from each faucet, followed by the P2 sample.

DO NOT REMOVE THE AERATOR IF THERE IS ONE, but make a notation that there is an aerator present.

Sample collection:

1. Place the P1 bottle under the faucet, open the faucet to produce a moderate, steady stream and fill the first bottle to the appropriate level. Immediately fill the P2 bottle

without a break in the stream (do not turn off the faucet between the first and second bottle unless necessary and do not allow water to run down the drain in between the first and second bottle if at all possible).

2. Turn off faucet. Cap each sample bottle making sure to match the P1 sample to the '1' white cap, and the P2 sample to the '2' white cap.
3. Secure the appropriate request for water analysis form to each bottle (refer to the example bottle provided for "instructions") with a rubber band.
4. Bundle the P1 and P2 samples collected at each faucet (after the proper paperwork has been banded to each bottle) and secure them together with a single rubber band.

Step 4 – Collect the Large Volume Samples

After all 125-mL samples have been collected; collect ten sequential 1-L samples from the kitchen cold faucet.

Before sample collection:

1. Write the assigned ID code on each sample bottle's green label using a black Ultra Fine Point Sharpie permanent marker. To ensure clarity for the DEQ lab, draw a slash mark through each zero, the number one is a straight vertical line (no hat or foot), and cross each number seven.
2. Next, remove the cap from each bottle and label using a red Fine Point Sharpie permanent marker. Write 1 through 10 on the white caps of the 1-L bottles for the A1 through A10 sequential samples.
3. Complete the Request for Analysis forms for each sample using a pen, pencil or black Sharpie. If the Lead and Copper analyses is not already selected, mark as 36CC for the 1-L samples.

Sample collection:

1. Place the A1 bottle under the faucet, open the faucet to produce a moderate, steady stream and fill the first bottle to the appropriate level. Immediately fill bottles A2 to A10 consecutively without a break in the stream (do not turn off the faucet between bottles and do not allow water to run down the drain between the bottles).
2. After all 1-L samples are collected, turn off faucet. Cap each sample bottle making sure to match the A1 sample to the '1' white cap, the A2 sample to the '2' white cap and so forth.
3. Secure the appropriate request for water analysis form to each bottle (refer to the example bottle provided for "instructions") with a rubber band.

Step 5 - Deliver all sample bottles to the DEQ Drinking Water Laboratory.

Comment [GKJ(4): Delivery should be its own step. Step 5 - delivery of samples. I would include the address, contact number, afterhours numbers, etc... Just in-case they get the new person who knows nothing.

The DEQ Drinking Water Laboratory will analyze all water samples in accordance with the Laboratory Services Standard Operating Procedure (SOP) Document SOP #800 Revision #4 Effective Date 10/2015.

Applicable analytical methods will be in accordance with the *Method for Determination of Metals in Environmental Samples, Supplement I*, U.S. Environmental Protection Agency, Method 200.8, 1999 Revision 5.5.

All Method Detection Limits shall be performed according to Title 40 of the Code of Federal Regulations, Part 136, Guidelines Establishing Testing Procedures for the Analysis of Pollutants, Appendix B, Definition and Procedure for the Determination of the Method Detection Limit.

Analytical quality control will be in accordance with SOP #800 Revision #4.

Comment [GKJ(5): Does SOP#800 site Method 200.8? As written it sounds like they will follow two different methods. I would think they wrote their SOP#800 based on EPA method 200.8.

It should be sufficient to site SOP#800, if that SOP describes the Method 200.8; the method detection limits, and quality assurance/quality control.

Plus, this protocol is about collection of samples not analysis.

From: Krisztian, George (DEQ)
Sent: Tuesday, November 17, 2015 4:09 PM
To: Devereaux, Tracy Jo (DEQ)
Cc: Busch, Stephen (DEQ);Shekter Smith, Liane (DEQ)
Subject: Brownell and Eisenhower Elementary School Lead and Copper Data
Attachments: Bownell and Eisenhower Formatted.xlsx

Tracy Jo,

I'm going to come down and discuss this with you.

George

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

PPI

	A	B	C	D	E	F	G	H	I	J
1	ANALYTE	RESULT	Sample Description	Site Code	Site Code Description		ANALYTE	RESULT	Sample Description	Site Code
2	Lead	0.036	01CF014 RM104	P1	First Primary draw of 125 milliliters		Copper	0.15	01CF014 RM104	P1
3	Lead	0.036	01CF014 RM104	P2	Second Primary draw of 125 milliliters		Copper	0.12	01CF014 RM104	P2
4	Lead	0.002	01CF014 RM104	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01CF014 RM104	F-01
5	Lead	0.001	01CF014 RM 104	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01CF014 RM 104	F-02
6	Lead	0.009	02CF021 RM201	P-1	First Primary draw of 125 milliliters		Copper	0.07	02CF021 RM201	P-1
7	Lead	0.009	02CF021 RM201	P2	Second Primary draw of 125 milliliters		Copper	0.07	02CF021 RM201	P2
8	Lead	0.000	02CF021 RM201	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	02CF021 RM201	F-01
9	Lead	0.000	02CF021 RM201	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02CF021 RM201	F-02
10	Lead	0.012	02DW023 RM202	P1	First Primary draw of 125 milliliters		Copper	0.08	02DW023 RM202	P1
11	Lead	0.009	02DW023 RM202	P2	Second Primary draw of 125 milliliters		Copper	0.09	02DW023 RM202	P2
12	Lead	0.001	02DW023 RM202	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	02DW023 RM202	F-01
13	Lead	0.000	02DW023 RM202	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02DW023 RM202	F-02
14	Lead	0.013	01CF010RM102	P1	First Primary draw of 125 milliliters		Copper	0.21	01CF010RM102	P1
15	Lead	0.002	01CF010RM102	P2	Second Primary draw of 125 milliliters		Copper	0.08	01CF010RM102	P2
16	Lead	0.000	01CF010RM102	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01CF010RM102	F01
17	Lead	0.000	01CF010RM102	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01CF010RM102	F02
18	Lead	0.043	01DW013 RM104	P1	First Primary draw of 125 milliliters		Copper	0.17	01DW013 RM104	P1
19	Lead	0.106	01DW013 RM104	P2	Second Primary draw of 125 milliliters		Copper	0.24	01DW013 RM104	P2
20	Lead	0.003	01DW013 RM104	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01DW013 RM104	F-01
21	Lead	0.002	01DW013 - RM104	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01DW013 - RM104	F-02
22	Lead	0.037	02DW020 RM201	P1	First Primary draw of 125 milliliters		Copper	0.09	02DW020 RM201	P1
23	Lead	0.024	02DW020 RM201	P2	Second Primary draw of 125 milliliters		Copper	0.1	02DW020 RM201	P2
24	Lead	0.002	02DW020 RM201	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.05	02DW020 RM201	F-01
25	Lead	0.000	02DW020 RM201	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02DW020 RM201	F-02
26	Lead	0.012	01CF012 RM103	P1	First Primary draw of 125 milliliters		Copper	0.1	01CF012 RM103	P1
27	Lead	0.012	01CF012 RM103	P2	Second Primary draw of 125 milliliters		Copper	0.08	01CF012 RM103	P2
28	Lead	0.003	01CF012 RM103	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	01CF012 RM103	F-01

	K
1	Site Code Description
2	First Primary draw of 125 milliliters
3	Second Primary draw of 125 milliliters
4	Flush Sample taken 30 Seconds after Second Primary Draw
5	Flush Sample taken 2 minutes after First Flush Sample
6	First Primary draw of 125 milliliters
7	Second Primary draw of 125 milliliters
8	Flush Sample taken 30 Seconds after Second Primary Draw
9	Flush Sample taken 2 minutes after First Flush Sample
10	First Primary draw of 125 milliliters
11	Second Primary draw of 125 milliliters
12	Flush Sample taken 30 Seconds after Second Primary Draw
13	Flush Sample taken 2 minutes after First Flush Sample
14	First Primary draw of 125 milliliters
15	Second Primary draw of 125 milliliters
16	Flush Sample taken 30 Seconds after Second Primary Draw
17	Flush Sample taken 2 minutes after First Flush Sample
18	First Primary draw of 125 milliliters
19	Second Primary draw of 125 milliliters
20	Flush Sample taken 30 Seconds after Second Primary Draw
21	Flush Sample taken 2 minutes after First Flush Sample
22	First Primary draw of 125 milliliters
23	Second Primary draw of 125 milliliters
24	Flush Sample taken 30 Seconds after Second Primary Draw
25	Flush Sample taken 2 minutes after First Flush Sample
26	First Primary draw of 125 milliliters
27	Second Primary draw of 125 milliliters
28	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G	H	I	J
29	Lead	0.002	01CF012 RM103	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01CF012 RM103	F-02
30	Lead	0.009	01DW009 RM102	P1	First Primary draw of 125 milliliters		Copper	0.18	01DW009 RM102	P1
31	Lead	0.003	01DW009 RM102	P2	Second Primary draw of 125 milliliters		Copper	0.08	01DW009 RM102	P2
32	Lead	0.000	01DW009 RM102	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01DW009 RM102	F-01
33	Lead	0.000	01DW009 RM102	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01DW009 RM102	F-02
34	Lead	0.013	01DW011 RM103	P1	First Primary draw of 125 milliliters		Copper	0.06	01DW011 RM103	P1
35	Lead	0.004	01DW011 RM103	P2	Second Primary draw of 125 milliliters		Copper	0.00	01DW011 RM103	P2
36	Lead	0.002	01DW011 RM103	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01DW011 RM103	F-01
37	Lead	0.001	01DW011 RM103	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01DW011 RM103	F-02
38	Lead	0.007	02CF022 RM202	P-1	First Primary draw of 125 milliliters		Copper	0.19	02CF022 RM202	P-1
39	Lead	0.024	02CF022 - RM202	P2	Second Primary draw of 125 milliliters		Copper	0.19	02CF022 - RM202	P2
40	Lead	0.002	02CF022 - RM202	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.3	02CF022 - RM202	F-01
41	Lead	0.001	02CF022 - RM202	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.12	02CF022 - RM202	F-02
42	Lead	0.014	01CF008 RM101	P1	First Primary draw of 125 milliliters		Copper	0.15	01CF008 RM101	P1
43	Lead	0.011	01CF008 - RM101	P2	Second Primary draw of 125 milliliters		Copper	0.11	01CF008 - RM101	P2
44	Lead	0.001	01CF008 RM101	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01CF008 RM101	F-01
45	Lead	0.001	01CF008 - RM101	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01CF008 - RM101	F-02
46	Lead	0.011	01DW007 RM101	P1	First Primary draw of 125 milliliters		Copper	0.11	01DW007 RM101	P1
47	Lead	0.010	01DW007 RM101	P2	Second Primary draw of 125 milliliters		Copper	0.11	01DW007 RM101	P2
48	Lead	0.002	01DW007 RM101	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01DW007 RM101	F-01
49	Lead	0.000	01DW007 RM101	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01DW007 RM101	F-02
50	Lead	0.032	01DW001 GYM	P1	First Primary draw of 125 milliliters		Copper	0.31	01DW001 GYM	P1
51	Lead	0.006	01DW001 GYM	P2	Second Primary draw of 125 milliliters		Copper	0.13	01DW001 GYM	P2
52	Lead	0.005	01DW001 GYM	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.1	01DW001 GYM	F-01
53	Lead	0.003	01DW001 GYM	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.08	01DW001 GYM	F-02
54	Lead	0.017	01CF004 RO10M 109	P1	First Primary draw of 125 milliliters		Copper	0.22	01CF004 RO10M 109	P1
55	Lead	0.010	01CF004 ROOM109	P2	Second Primary draw of 125 milliliters		Copper	0.15	01CF004 ROOM109	P2
56	Lead	0.001	01CF004 ROOM109	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	01CF004 ROOM109	F-01

	K
29	Flush Sample taken 2 minutes after First Flush Sample
30	First Primary draw of 125 milliliters
31	Second Primary draw of 125 milliliters
32	Flush Sample taken 30 Seconds after Second Primary Draw
33	Flush Sample taken 2 minutes after First Flush Sample
34	First Primary draw of 125 milliliters
35	Second Primary draw of 125 milliliters
36	Flush Sample taken 30 Seconds after Second Primary Draw
37	Flush Sample taken 2 minutes after First Flush Sample
38	First Primary draw of 125 milliliters
39	Second Primary draw of 125 milliliters
40	Flush Sample taken 30 Seconds after Second Primary Draw
41	Flush Sample taken 2 minutes after First Flush Sample
42	First Primary draw of 125 milliliters
43	Second Primary draw of 125 milliliters
44	Flush Sample taken 30 Seconds after Second Primary Draw
45	Flush Sample taken 2 minutes after First Flush Sample
46	First Primary draw of 125 milliliters
47	Second Primary draw of 125 milliliters
48	Flush Sample taken 30 Seconds after Second Primary Draw
49	Flush Sample taken 2 minutes after First Flush Sample
50	First Primary draw of 125 milliliters
51	Second Primary draw of 125 milliliters
52	Flush Sample taken 30 Seconds after Second Primary Draw
53	Flush Sample taken 2 minutes after First Flush Sample
54	First Primary draw of 125 milliliters
55	Second Primary draw of 125 milliliters
56	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G	H	I	J
57	Lead	0.002	01CF004 ROOM109	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.08	01CF004 ROOM109	F-02
58	Lead	0.013	01DW003 ROOM109	P1	First Primary draw of 125 milliliters		Copper	0.15	01DW003 ROOM109	P1
59	Lead	0.003	01DW003 ROOM109	P2	Second Primary draw of 125 milliliters		Copper	0.08	01DW003 ROOM109	P2
60	Lead	0.002	01DW003 ROOM109	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	01DW003 ROOM109	F-01
61	Lead	0.001	01DW003 ROOM109	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	01DW003 ROOM109	F-02
62	Lead	0.014	01CF006 CLINIC	P1	First Primary draw of 125 milliliters		Copper	0.12	01CF006 CLINIC	P1
63	Lead	0.003	01CF006 CLINIC	P2	Second Primary draw of 125 milliliters		Copper	0.16	01CF006 CLINIC	P2
64	Lead	0.001	01CF006 CLINIC	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.07	01CF006 CLINIC	F-01
65	Lead	0.000	01CF006 CLINIC	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	01CF006 CLINIC	F-02
66	Lead	0.017	04KC043 UNIT2	P1	First Primary draw of 125 milliliters		Copper	0.48	04KC043 UNIT2	P1
67	Lead	0.003	04KC043 UNIT2	P2	Second Primary draw of 125 milliliters		Copper	0.72	04KC043 UNIT2	P2
68	Lead	0.002	04KC043 UNIT 2	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.65	04KC043 UNIT 2	F-01
69	Lead	0.003	04KC043-UNIT 2	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	1.04	04KC043-UNIT 2	F-02
70	Lead	0.000	03DW039 - UNIT 1	P1	First Primary draw of 125 milliliters		Copper	1.08	03DW039 - UNIT 1	P1
71	Lead	0.000	03DW039 - UNIT 1	P2	Second Primary draw of 125 milliliters		Copper	1.03	03DW039 - UNIT 1	P2
72	Lead	0.000	03DW039 - UNIT 1	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	1.04	03DW039 - UNIT 1	F-01
73	Lead	0.000	03DW039 - UNIT 1	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.65	03DW039 - UNIT 1	F-02
74	Lead	0.004	01KC005 - COMMUNITY ROOM	P1	First Primary draw of 125 milliliters		Copper	0.2	01KC005 - COMMUNITY ROOM	P1
75	Lead	0.004	01KC005 COMMUNITY	P2	Second Primary draw of 125 milliliters		Copper	0.13	01KC005 COMMUNITY	P2
76	Lead	0.001	01KC005 COMMUNITY	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	01KC005 COMMUNITY	F-01
77	Lead	0.000	01KC005 COMMUNITY	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01KC005 COMMUNITY	F-02
78	Lead	0.017	01WC002 HALL	P1	First Primary draw of 125 milliliters		Copper	0.28	01WC002 HALL	P1
79	Lead	0.017	01WC002 HALL	P2	Second Primary draw of 125 milliliters		Copper	0.33	01WC002 HALL	P2
80	Lead	0.012	01WC002 HALL	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.26	01WC002 HALL	F-01
81	Lead	0.003	01 WC002 HALL	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.12	01 WC002 HALL	F-02
82	Lead	0.012	03KC041- UNIT 1	P1	First Primary draw of 125 milliliters		Copper	0.33	03KC041- UNIT 1	P1
83	Lead	0.004	03KC041 - UNIT1	P2	Second Primary draw of 125 milliliters		Copper	1.84	03KC041 - UNIT1	P2

	K
57	Flush Sample taken 2 minutes after First Flush Sample
58	First Primary draw of 125 milliliters
59	Second Primary draw of 125 milliliters
60	Flush Sample taken 30 Seconds after Second Primary Draw
61	Flush Sample taken 2 minutes after First Flush Sample
62	First Primary draw of 125 milliliters
63	Second Primary draw of 125 milliliters
64	Flush Sample taken 30 Seconds after Second Primary Draw
65	Flush Sample taken 2 minutes after First Flush Sample
66	First Primary draw of 125 milliliters
67	Second Primary draw of 125 milliliters
68	Flush Sample taken 30 Seconds after Second Primary Draw
69	Flush Sample taken 2 minutes after First Flush Sample
70	First Primary draw of 125 milliliters
71	Second Primary draw of 125 milliliters
72	Flush Sample taken 30 Seconds after Second Primary Draw
73	Flush Sample taken 2 minutes after First Flush Sample
74	First Primary draw of 125 milliliters
75	Second Primary draw of 125 milliliters
76	Flush Sample taken 30 Seconds after Second Primary Draw
77	Flush Sample taken 2 minutes after First Flush Sample
78	First Primary draw of 125 milliliters
79	Second Primary draw of 125 milliliters
80	Flush Sample taken 30 Seconds after Second Primary Draw
81	Flush Sample taken 2 minutes after First Flush Sample
82	First Primary draw of 125 milliliters
83	Second Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H	I	J
84	Lead	0.000	03KC041-UNIT1	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	1.07	03KC041-UNIT1	F-01
85	Lead	0.000	03KC041 - UNIT1	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	1.12	03KC041 - UNIT1	F-02
86	Lead	0.005	03DW38 - UNIT1	P1	First Primary draw of 125 milliliters		Copper	2.77	03DW38 - UNIT1	P1
87	Lead	0.001	03DW038 - UNIT 1	P2	Second Primary draw of 125 milliliters		Copper	1.37	03DW038 - UNIT 1	P2
88	Lead	0.000	03DW038 - UNIT 1	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	1.2	03DW038 - UNIT 1	F-01
89	Lead	0.000	03DW038 UNIT1	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	1.03	03DW038 UNIT1	F-02
90	Lead	0.012	03KC040 UNIT 1	P1	First Primary draw of 125 milliliters		Copper	0.27	03KC040 UNIT 1	P1
91	Lead	0.002	03KC040 UNIT1	P2	Second Primary draw of 125 milliliters		Copper	0.41	03KC040 UNIT1	P2
92	Lead	0.001	03KC040 UNIT 1	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.99	03KC040 UNIT 1	F-01
93	Lead	0.000	03KC040 UNIT1	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	1.13	03KC040 UNIT1	F-02
94	Lead	0.011	04KC044 - UNIT 2	P1	First Primary draw of 125 milliliters		Copper	0.49	04KC044 - UNIT 2	P1
95	Lead	0.003	04KC044-UNIT 2	P2	Second Primary draw of 125 milliliters		Copper	0.97	04KC044-UNIT 2	P2
96	Lead	0.001	04KC044 - UNIT 2	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	1.22	04KC044 - UNIT 2	F-01
97	Lead	0.000	04KC044 UNIT2	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.6	04KC044 UNIT2	F-02
98	Lead	0.007	02CF036 RM209	P7	First Primary draw of 125 milliliters		Copper	0.13	02CF036 RM209	P7
99	Lead	0.021	02CF036 RM209	P2	Second Primary draw of 125 milliliters		Copper	0.19	02CF036 RM209	P2
100	Lead	0.005	02CF036 RM209	F07	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.07	02CF036 RM209	F07
101	Lead	0.001	02CF036 RM209	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02CF036 RM209	F02
102	Lead	0.012	02DW035 RM208	P1	First Primary draw of 125 milliliters		Copper	0.11	02DW035 RM208	P1
103	Lead	0.019	02DW035 RM208	P2	Second Primary draw of 125 milliliters		Copper	0.08	02DW035 RM208	P2
104	Lead	0.006	02DW035 RM208	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.07	02DW035 RM208	F01
105	Lead	0.003	02DW035 RM208	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	02DW035 RM208	F02
106	Lead	0.019	02CF034 RM208	P1	First Primary draw of 125 milliliters		Copper	0.11	02CF034 RM208	P1
107	Lead	0.012	02CF034 RM208	P2	Second Primary draw of 125 milliliters		Copper	0.07	02CF034 RM208	P2
108	Lead	0.003	02CF034 RM208	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.05	02CF034 RM208	F01
109	Lead	0.002	02CF034 RM 208	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02CF034 RM 208	F02
110	Lead	0.020	02DW033 RM207	P1	First Primary draw of 125 milliliters		Copper	0.09	02DW033 RM207	P1
111	Lead	0.004	02DW033 RM207	P2	Second Primary draw of 125 milliliters		Copper	0.06	02DW033 RM207	P2

	K
84	Flush Sample taken 30 Seconds after Second Primary Draw
85	Flush Sample taken 2 minutes after First Flush Sample
86	First Primary draw of 125 milliliters
87	Second Primary draw of 125 milliliters
88	Flush Sample taken 30 Seconds after Second Primary Draw
89	Flush Sample taken 2 minutes after First Flush Sample
90	First Primary draw of 125 milliliters
91	Second Primary draw of 125 milliliters
92	Flush Sample taken 30 Seconds after Second Primary Draw
93	Flush Sample taken 2 minutes after First Flush Sample
94	First Primary draw of 125 milliliters
95	Second Primary draw of 125 milliliters
96	Flush Sample taken 30 Seconds after Second Primary Draw
97	Flush Sample taken 2 minutes after First Flush Sample
98	First Primary draw of 125 milliliters
99	Second Primary draw of 125 milliliters
100	Flush Sample taken 30 Seconds after Second Primary Draw
101	Flush Sample taken 2 minutes after First Flush Sample
102	First Primary draw of 125 milliliters
103	Second Primary draw of 125 milliliters
104	Flush Sample taken 30 Seconds after Second Primary Draw
105	Flush Sample taken 2 minutes after First Flush Sample
106	First Primary draw of 125 milliliters
107	Second Primary draw of 125 milliliters
108	Flush Sample taken 30 Seconds after Second Primary Draw
109	Flush Sample taken 2 minutes after First Flush Sample
110	First Primary draw of 125 milliliters
111	Second Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H	I	J
112	Lead	0.003	02DW033 RM207	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	02DW033 RM207	F-01
113	Lead	0.003	02DW033 RM207	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	02DW033 RM207	F-02
114	Lead	0.017	01KC019 RM108	P1	First Primary draw of 125 milliliters		Copper	0.16	01KC019 RM108	P1
115	Lead	0.005	01KC019 RM108	P2	Second Primary draw of 125 milliliters		Copper	0.11	01KC019 RM108	P2
116	Lead	0.004	01KC019 RM108	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	01KC019 RM108	F-01
117	Lead	0.001	01KC019 RM108	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	01KC019 RM108	F-02
118	Lead	0.021	02CF032 RM207	P1	First Primary draw of 125 milliliters		Copper	0.07	02CF032 RM207	P1
119	Lead	0.023	02CF032 RM207	P2	Second Primary draw of 125 milliliters		Copper	0.13	02CF032 RM207	P2
120	Lead	0.005	02CF032 RM207	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.08	02CF032 RM207	F-01
121	Lead	0.001	02CF032 RM207	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.06	02CF032 RM207	F-02
122	Lead	0.008	02DW037 RM209	P1	First Primary draw of 125 milliliters		Copper	0.1	02DW037 RM209	P1
123	Lead	0.002	02DW037 RM209	P2	Second Primary draw of 125 milliliters		Copper	0.06	02DW037 RM209	P2
124	Lead	0.002	02DW037 RM209	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	02DW037 RM209	F-01
125	Lead	0.002	02DW037 RM209	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02DW037 RM209	F-02
126	Lead	0.013	02DW025 RM203	P1	First Primary draw of 125 milliliters		Copper	0.08	02DW025 RM203	P1
127	Lead	0.004	02DW025 RM203	P2	Second Primary draw of 125 milliliters		Copper	0.06	02DW025 RM203	P2
128	Lead	0.005	02DW025 RM203	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.05	02DW025 RM203	F-01
129	Lead	0.004	02DW025 RM203	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.06	02DW025 RM203	F-02
130	Lead	0.018	02DW027 RM204	P1	First Primary draw of 125 milliliters		Copper	0.09	02DW027 RM204	P1
131	Lead	0.008	02DW027 RM204	P2	Second Primary draw of 125 milliliters		Copper	0.08	02DW027 RM204	P2
132	Lead	0.002	02DW027 RM204	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	02DW027 RM204	F-01
133	Lead	0.001	02DW027 RM204	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02DW027 RM204	F-02
134	Lead	0.014	02CF026 - 4M 204	P1	First Primary draw of 125 milliliters		Copper	0.09	02CF026 - 4M 204	P1
135	Lead	0.004	02CF026 RM204	P2	Second Primary draw of 125 milliliters		Copper	0.05	02CF026 RM204	P2
136	Lead	0.000	02CF026 RM 204	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	02CF026 RM 204	F-01
137	Lead	0.000	02CF026 RM204	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02CF026 RM204	F-02
138	Lead	0.084	02DW031 RM206	P1	First Primary draw of 125 milliliters		Copper	0.16	02DW031 RM206	P1
139	Lead	0.007	02DW031 RM206	P2	Second Primary draw of 125 milliliters		Copper	0.05	02DW031 RM206	P2

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112	Flush Sample taken 30 Seconds after Second Primary Draw
113	Flush Sample taken 2 minutes after First Flush Sample
114	First Primary draw of 125 milliliters
115	Second Primary draw of 125 milliliters
116	Flush Sample taken 30 Seconds after Second Primary Draw
117	Flush Sample taken 2 minutes after First Flush Sample
118	First Primary draw of 125 milliliters
119	Second Primary draw of 125 milliliters
120	Flush Sample taken 30 Seconds after Second Primary Draw
121	Flush Sample taken 2 minutes after First Flush Sample
122	First Primary draw of 125 milliliters
123	Second Primary draw of 125 milliliters
124	Flush Sample taken 30 Seconds after Second Primary Draw
125	Flush Sample taken 2 minutes after First Flush Sample
126	First Primary draw of 125 milliliters
127	Second Primary draw of 125 milliliters
128	Flush Sample taken 30 Seconds after Second Primary Draw
129	Flush Sample taken 2 minutes after First Flush Sample
130	First Primary draw of 125 milliliters
131	Second Primary draw of 125 milliliters
132	Flush Sample taken 30 Seconds after Second Primary Draw
133	Flush Sample taken 2 minutes after First Flush Sample
134	First Primary draw of 125 milliliters
135	Second Primary draw of 125 milliliters
136	Flush Sample taken 30 Seconds after Second Primary Draw
137	Flush Sample taken 2 minutes after First Flush Sample
138	First Primary draw of 125 milliliters
139	Second Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H	I	J
140	Lead	0.001	02DW031 RM206	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	02DW031 RM206	F01
141	Lead	0.000	02DW031 RM206	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02DW031 RM206	F02
142	Lead	0.039	02DW029 RM205	P1	First Primary draw of 125 milliliters		Copper	0.1	02DW029 RM205	P1
143	Lead	0.014	02DW029 RM205	P2	Second Primary draw of 125 milliliters		Copper	0.11	02DW029 RM205	P2
144	Lead	0.011	02DW029 RM205	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.13	02DW029 RM205	F-01
145	Lead	0.001	02DW029 RM205	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	02DW029 RM205	F-02
146	Lead	0.012	02CF028 RM205	P1	First Primary draw of 125 milliliters		Copper	0.06	02CF028 RM205	P1
147	Lead	0.005	02CF028 RM205	P2	Second Primary draw of 125 milliliters		Copper	0.05	02CF028 RM205	P2
148	Lead	0.000	02CF028 RM205	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	02CF028 RM205	F01
149	Lead	0.000	02CF028 RM205	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02CF028 RM205	F02
150	Lead	0.012	07DW017 RM107	P1	First Primary draw of 125 milliliters		Copper	0.15	07DW017 RM107	P1
151	Lead	0.009	01DW017 RM107	P2	Second Primary draw of 125 milliliters		Copper	0.16	01DW017 RM107	P2
152	Lead	0.002	01DW017 RM107	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	01DW017 RM107	F01
153	Lead	0.001	01DW017 RM107	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.06	01DW017 RM107	F02
154	Lead	0.010	01DW015 RM106	P1	First Primary draw of 125 milliliters		Copper	0.06	01DW015 RM106	P1
155	Lead	0.002	01DW015 RM106	P2	Second Primary draw of 125 milliliters		Copper	0.06	01DW015 RM106	P2
156	Lead	0.001	01DW015 RM106	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	01DW015 RM106	F-01
157	Lead	0.000	01DW015 RM106	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	01DW015 RM106	F-02
158	Lead	0.009	01CF018 RM107	P1	First Primary draw of 125 milliliters		Copper	0.17	01CF018 RM107	P1
159	Lead	0.006	01CF018 RM107	P2	Second Primary draw of 125 milliliters		Copper	0.3	01CF018 RM107	P2
160	Lead	0.001	01CF018 RM107	F07	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.21	01CF018 RM107	F07
161	Lead	0.000	01CF078 RM107	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.12	01CF078 RM107	F02
162	Lead	0.010	02CF030 RM206	P1	First Primary draw of 125 milliliters		Copper	0.11	02CF030 RM206	P1
163	Lead	0.008	02CF030 RM206	P2	Second Primary draw of 125 milliliters		Copper	0.14	02CF030 RM206	P2
164	Lead	0.002	02CF030 RM206	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.05	02CF030 RM206	F-01
165	Lead	0.000	02CF030 RM206	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	02CF030 RM206	F-02
166	Lead	0.402	01CF016 - RM106	P1	First Primary draw of 125 milliliters		Copper	0.16	01CF016 - RM106	P1
167	Lead	0.061	01CF016 - RM106	P2	Second Primary draw of 125 milliliters		Copper	0.08	01CF016 - RM106	P2

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140	Flush Sample taken 30 Seconds after Second Primary Draw
141	Flush Sample taken 2 minutes after First Flush Sample
142	First Primary draw of 125 milliliters
143	Second Primary draw of 125 milliliters
144	Flush Sample taken 30 Seconds after Second Primary Draw
145	Flush Sample taken 2 minutes after First Flush Sample
146	First Primary draw of 125 milliliters
147	Second Primary draw of 125 milliliters
148	Flush Sample taken 30 Seconds after Second Primary Draw
149	Flush Sample taken 2 minutes after First Flush Sample
150	First Primary draw of 125 milliliters
151	Second Primary draw of 125 milliliters
152	Flush Sample taken 30 Seconds after Second Primary Draw
153	Flush Sample taken 2 minutes after First Flush Sample
154	First Primary draw of 125 milliliters
155	Second Primary draw of 125 milliliters
156	Flush Sample taken 30 Seconds after Second Primary Draw
157	Flush Sample taken 2 minutes after First Flush Sample
158	First Primary draw of 125 milliliters
159	Second Primary draw of 125 milliliters
160	Flush Sample taken 30 Seconds after Second Primary Draw
161	Flush Sample taken 2 minutes after First Flush Sample
162	First Primary draw of 125 milliliters
163	Second Primary draw of 125 milliliters
164	Flush Sample taken 30 Seconds after Second Primary Draw
165	Flush Sample taken 2 minutes after First Flush Sample
166	First Primary draw of 125 milliliters
167	Second Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H	I	J
168	Lead	0.004	01CF016 - RM106	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	01CF016 - RM106	F-01
169	Lead	0.001	01CF016 - RM106	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	01CF016 - RM106	F-02
170	Lead	0.014	02CF024 RM203	P1	First Primary draw of 125 milliliters		Copper	0.16	02CF024 RM203	P1
171	Lead	0.015	02CF024 RM203	P2	Second Primary draw of 125 milliliters		Copper	0.25	02CF024 RM203	P2
172	Lead	0.006	02CF024 RM203	F-01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.11	02CF024 RM203	F-01
173	Lead	0.002	02CF024 RM203	F-02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.05	02CF024 RM203	F-02
174	Lead	0.001	03KC040 - UNIT 1	A1	First Sequential Sample		Copper	0.55	03KC040 - UNIT 1	A1
175	Lead	0.000	03KC040 - UNIT 1	A2	Second Sequential Sample		Copper	0.3	03KC040 - UNIT 1	A2
176	Lead	0.000	03KC040 - UNIT 1	A3	Third Sequential Sample		Copper	0.28	03KC040 - UNIT 1	A3
177	Lead	0.000	03KC040 - UNIT 1	A4	Forth Sequential Sample		Copper	0.27	03KC040 - UNIT 1	A4
178	Lead	0.000	03KC040 - UNIT 1	A5	Fifth Sequential Sample		Copper	0.26	03KC040 - UNIT 1	A5
179	Lead	0.000	03KC040 - UNIT 1	A6	Sixth Sequential Sample		Copper	0.25	03KC040 - UNIT 1	A6
180	Lead	0.000	03KC040 - UNIT 1	A7	Seventh Sequential Sample		Copper	0.25	03KC040 - UNIT 1	A7
181	Lead	0.000	03KC040 UNIT 1	A8	Eighth Sequential Sample		Copper	0.25	03KC040 UNIT 1	A8
182	Lead	0.000	03KC040 UNIT 1	A9	Ninth Sequential Sample		Copper	0.23	03KC040 UNIT 1	A9
183	Lead	0.000	03KC040 UNIT 1	A10	Tenth Sequential Sample		Copper	0.24	03KC040 UNIT 1	A10
184	Lead	0.002	04KC044 UNIT 2	B1	First Sequential Sample		Copper	0.53	04KC044 UNIT 2	B1
185	Lead	0.000	04KC044 UNIT 2	B2	Second Sequential Sample		Copper	0.45	04KC044 UNIT 2	B2
186	Lead	0.000	04KC044 UNIT 2	B3	Third Sequential Sample		Copper	0.42	04KC044 UNIT 2	B3
187	Lead	0.000	04KC044 UNIT 2	B4	Forth Sequential Sample		Copper	0.39	04KC044 UNIT 2	B4
188	Lead	0.000	04KC044 UNIT 2	B5	Fifth Sequential Sample		Copper	0.37	04KC044 UNIT 2	B5
189	Lead	0.000	04KC044 UNIT 2	B6	Sixth Sequential Sample		Copper	0.36	04KC044 UNIT 2	B6
190	Lead	0.001	04KC044 UNIT 2	B7	Seventh Sequential Sample		Copper	0.36	04KC044 UNIT 2	B7
191	Lead	0.001	04KC044 UNIT 2	B8	Eighth Sequential Sample		Copper	0.36	04KC044 UNIT 2	B8
192	Lead	0.000	04KC044 UNIT 2	B9	Ninth Sequential Sample		Copper	0.33	04KC044 UNIT 2	B9
193	Lead	0.000	04KC044 UNIT 2	B10	Tenth Sequential Sample		Copper	0.31	04KC044 UNIT 2	B10
194	Lead	0.003	01CF004 - RM 109	C1	First Sequential Sample		Copper	0.08	01CF004 - RM 109	C1
195	Lead	0.000	01CF004 - RM 109	C2	Second Sequential Sample		Copper	0.05	01CF004 - RM 109	C2
196	Lead	0.000	01CF004 - RM 109	C3	Third Sequential Sample		Copper	0.00	01CF004 - RM 109	C3
197	Lead	0.000	01CF004 RM 109	C4	Forth Sequential Sample		Copper	0.00	01CF004 RM 109	C4
198	Lead	0.000	01CF004 RM 109	C5	Fifth Sequential Sample		Copper	0.00	01CF004 RM 109	C5
199	Lead	0.000	01CF004 RM 109	C6	Sixth Sequential Sample		Copper	0.00	01CF004 RM 109	C6
200	Lead	0.000	01CF004 RM 109	C7	Seventh Sequential Sample		Copper	0.00	01CF004 RM 109	C7
201	Lead	0.000	01CF004 RM 109	C8	Eighth Sequential Sample		Copper	0.00	01CF004 RM 109	C8
202	Lead	0.000	01CF004 RM 109	C9	Ninth Sequential Sample		Copper	0.00	01CF004 RM 109	C9
203	Lead	0.000	01CF004 R 109	C10	Tenth Sequential Sample		Copper	0.00	01CF004 R 109	C10
204	Lead	0.002	01CF010 RM 102	D1	First Sequential Sample		Copper	0.09	01CF010 RM 102	D1
205	Lead	0.000	01CF010 RM 102	D2	Second Sequential Sample		Copper	0.00	01CF010 RM 102	D2

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168	Flush Sample taken 30 Seconds after Second Primary Draw
169	Flush Sample taken 2 minutes after First Flush Sample
170	First Primary draw of 125 milliliters
171	Second Primary draw of 125 milliliters
172	Flush Sample taken 30 Seconds after Second Primary Draw
173	Flush Sample taken 2 minutes after First Flush Sample
174	First Sequential Sample
175	Second Sequential Sample
176	Third Sequential Sample
177	Forth Sequential Sample
178	Fifth Sequential Sample
179	Sixth Sequential Sample
180	Seventh Sequential Sample
181	Eigth Sequential Sample
182	Ninth Sequential Sample
183	Tenth Sequential Sample
184	First Sequential Sample
185	Second Sequential Sample
186	Third Sequential Sample
187	Forth Sequential Sample
188	Fifth Sequential Sample
189	Sixth Sequential Sample
190	Seventh Sequential Sample
191	Eigth Sequential Sample
192	Ninth Sequential Sample
193	Tenth Sequential Sample
194	First Sequential Sample
195	Second Sequential Sample
196	Third Sequential Sample
197	Forth Sequential Sample
198	Fifth Sequential Sample
199	Sixth Sequential Sample
200	Seventh Sequential Sample
201	Eigth Sequential Sample
202	Ninth Sequential Sample
203	Tenth Sequential Sample
204	First Sequential Sample
205	Second Sequential Sample

	A	B	C	D	E	F	G	H	I	J
206	Lead	0.000	01CF010 RM 102	D3	Third Sequential Sample		Copper	0.00	01CF010 RM 102	D3
207	Lead	0.000	01CF010 RM 102	D4	Forth Sequential Sample		Copper	0.00	01CF010 RM 102	D4
208	Lead	0.000	01CF010 RM 102	D5	Fifth Sequential Sample		Copper	0.00	01CF010 RM 102	D5
209	Lead	0.000	01CF010 RM 102	D6	Sixth Sequential Sample		Copper	0.00	01CF010 RM 102	D6
210	Lead	0.000	01CF010 RM 102	D7	Seventh Sequential Sample		Copper	0.00	01CF010 RM 102	D7
211	Lead	0.000	01CF010 RM 102	D8	Eigth Sequential Sample		Copper	0.00	01CF010 RM 102	D8
212	Lead	0.000	01CF010 RM 102	D9	Ninth Sequential Sample		Copper	0.00	01CF010 RM 102	D9
213	Lead	0.000	01CF010 RM 102	D10	Tenth Sequential Sample		Copper	0.00	01CF010 RM 102	D10
214	Lead	0.003	02CF036 RM 209	E1	First Sequential Sample		Copper	0.07	02CF036 RM 209	E1
215	Lead	0.001	02CF036 - RM 209	E-2	Second Sequential Sample		Copper	0.00	02CF036 - RM 209	E-2
216	Lead	0.001	02CF036 - RM 209	E3	Third Sequential Sample		Copper	0.00	02CF036 - RM 209	E3
217	Lead	0.001	02CF036 RM 209	E4	Forth Sequential Sample		Copper	0.00	02CF036 RM 209	E4
218	Lead	0.000	02CF036 RM 209	E5	Fifth Sequential Sample		Copper	0.00	02CF036 RM 209	E5
219	Lead	0.000	02CF036 RM 209	E6	Sixth Sequential Sample		Copper	0.00	02CF036 RM 209	E6
220	Lead	0.000	02CF036 RM 209	E7	Seventh Sequential Sample		Copper	0.00	02CF036 RM 209	E7
221	Lead	0.000	02CF036 RM 209	E8	Eigth Sequential Sample		Copper	0.00	02CF036 RM 209	E8
222	Lead	0.000	02CF036 RM 209	E9	Ninth Sequential Sample		Copper	0.00	02CF036 RM 209	E9
223	Lead	0.000	02CF036 RM 209	E10	Tenth Sequential Sample		Copper	0.00	02CF036 RM 209	E10

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206	Third Sequential Sample
207	Forth Sequential Sample
208	Fifth Sequential Sample
209	Sixth Sequential Sample
210	Seventh Sequential Sample
211	Eigth Sequential Sample
212	Ninth Sequential Sample
213	Tenth Sequential Sample
214	First Sequential Sample
215	Second Sequential Sample
216	Third Sequential Sample
217	Forth Sequential Sample
218	Fifth Sequential Sample
219	Sixth Sequential Sample
220	Seventh Sequential Sample
221	Eigth Sequential Sample
222	Ninth Sequential Sample
223	Tenth Sequential Sample

	A	B	C	D	E	F	G	H	I	J
1	ANALYTE	RESULT	Sample Description	Site Code	Site Code Description		ANALYTE	RESULT	Sample_Description	Site_Code
2	Lead	0.027	DW013-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.14	DW013-DRINKING FOUNTAIN	P1
3	Lead	0.015	DW013-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.13	DW013-DRINKING FOUNTAIN	P2
4	Lead	0.008	DW013-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.09	DW013-DRINKING FOUNTAIN	F01
5	Lead	0.002	DW013-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW013-DRINKING FOUNTAIN	F02
6	Lead	0.038	DW021-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.10	DW021-DRINKING FOUNTAIN	P1
7	Lead	0.027	DW021-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.00	DW021-DRINKING FOUNTAIN	P2
8	Lead	0.002	DW021-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	DW021-DRINKING FOUNTAIN	F01
9	Lead	0.002	DW021-DRINKING FOUNTAIN	D02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW021-DRINKING FOUNTAIN	D02
10	Lead	0.008	CF023-RM #7	P1	First Primary draw of 125 milliliters		Copper	0.00	CF023-RM #7	P1
11	Lead	0.012	CF023-RM #7	P2	Second Primary draw of 125 milliliters		Copper	0.15	CF023-RM #7	P2
12	Lead	0.000	CF023-RM #7	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	CF023-RM #7	F01
13	Lead	0.000	CF023-RM #7	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	CF023-RM #7	F02
14	Lead	0.016	DW014-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.08	DW014-DRINKING FOUNTAIN	P1
15	Lead	0.003	DW014-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.00	DW014-DRINKING FOUNTAIN	P2
16	Lead	0.002	DW014-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	DW014-DRINKING FOUNTAIN	F01
17	Lead	0.001	DW014-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW014-DRINKING FOUNTAIN	F02
18	Lead	0.016	KC019-RM #4	P1	First Primary draw of 125 milliliters		Copper	0.18	KC019-RM #4	P1
19	Lead	0.010	KC019-RM #4	P2	Second Primary draw of 125 milliliters		Copper	0.28	KC019-RM #4	P2
20	Lead	0.000	KC019-RM #4	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	KC019-RM #4	F01
21	Lead	0.000	KC019-RM #4	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	KC019-RM #4	F02
22	Lead	0.033	DW020-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.16	DW020-DRINKING FOUNTAIN	P1
23	Lead	0.015	DW020-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.12	DW020-DRINKING FOUNTAIN	P2

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1	Site Code Description
2	First Primary draw of 125 milliliters
3	Second Primary draw of 125 milliliters
4	Flush Sample taken 30 Seconds after Second Primary Draw
5	Flush Sample taken 2 minutes after First Flush Sample
6	First Primary draw of 125 milliliters
7	Second Primary draw of 125 milliliters
8	Flush Sample taken 30 Seconds after Second Primary Draw
9	Flush Sample taken 2 minutes after First Flush Sample
10	First Primary draw of 125 milliliters
11	Second Primary draw of 125 milliliters
12	Flush Sample taken 30 Seconds after Second Primary Draw
13	Flush Sample taken 2 minutes after First Flush Sample
14	First Primary draw of 125 milliliters
15	Second Primary draw of 125 milliliters
16	Flush Sample taken 30 Seconds after Second Primary Draw
17	Flush Sample taken 2 minutes after First Flush Sample
18	First Primary draw of 125 milliliters
19	Second Primary draw of 125 milliliters
20	Flush Sample taken 30 Seconds after Second Primary Draw
21	Flush Sample taken 2 minutes after First Flush Sample
22	First Primary draw of 125 milliliters
23	Second Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H	I	J
24	Lead	0.020	DW020-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	DW020-DRINKING FOUNTAIN	F01
25	Lead	0.002	DW020-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW020-DRINKING FOUNTAIN	F02
26	Lead	0.012	DW002-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.14	DW002-DRINKING FOUNTAIN	P1
27	Lead	0.007	DW002-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.08	DW002-DRINKING FOUNTAIN	P2
28	Lead	0.004	DW002-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	DW002-DRINKING FOUNTAIN	F01
29	Lead	0.001	DW002-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW002-DRINKING FOUNTAIN	F02
30	Lead	0.011	CF022-RM #6	P1	First Primary draw of 125 milliliters		Copper	0.20	CF022-RM #6	P1
31	Lead	0.006	CF022-RM #6	P2	Second Primary draw of 125 milliliters		Copper	0.22	CF022-RM #6	P2
32	Lead	0.002	CF022-RM #6	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	CF022-RM #6	F01
33	Lead	0.000	CF022-RM #6	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.07	CF022-RM #6	F02
34	Lead	0.009	CF006-RM 26	P1	First Primary draw of 125 milliliters		Copper	0.07	CF006-RM 26	P1
35	Lead	0.010	CF006-RM 26	P2	Second Primary draw of 125 milliliters		Copper	0.15	CF006-RM 26	P2
36	Lead	0.004	CF006-RM 26	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.16	CF006-RM 26	F01
37	Lead	0.000	CF006-RM 26	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	CF006-RM 26	F02
38	Lead	0.056	CF004 RM 17	P1	First Primary draw of 125 milliliters		Copper	0.21	CF004 RM 17	P1
39	Lead	0.029	CF004-RM 17	P2	Second Primary draw of 125 milliliters		Copper	0.14	CF004-RM 17	P2
40	Lead	0.007	CF004-RM 17	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.16	CF004-RM 17	F01
41	Lead	0.003	CF004-RM 17	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.17	CF004-RM 17	F02
42	Lead	0.011	KC016-RM-#1	P1	First Primary draw of 125 milliliters		Copper	0.14	KC016-RM-#1	P1
43	Lead	0.003	KC016-RM-#1	P2	Second Primary draw of 125 milliliters		Copper	0.14	KC016-RM-#1	P2
44	Lead	0.002	KC016-RM-#1	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.05	KC016-RM-#1	F01
45	Lead	0.000	KC016-RM-#1	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	KC016-RM-#1	F02
46	Lead	0.013	KC017-RM #2	P1	First Primary draw of 125 milliliters		Copper	0.18	KC017-RM #2	P1
47	Lead	0.008	KC017-RM #2	P2	Second Primary draw of 125 milliliters		Copper	0.18	KC017-RM #2	P2
48	Lead	0.001	KC017-RM #2	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	KC017-RM #2	F01
49	Lead	0.000	KC017-RM #2	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	KC017-RM #2	F02

	K
24	Flush Sample taken 30 Seconds after Second Primary Draw
25	Flush Sample taken 2 minutes after First Flush Sample
26	First Primary draw of 125 milliliters
27	Second Primary draw of 125 milliliters
28	Flush Sample taken 30 Seconds after Second Primary Draw
29	Flush Sample taken 2 minutes after First Flush Sample
30	First Primary draw of 125 milliliters
31	Second Primary draw of 125 milliliters
32	Flush Sample taken 30 Seconds after Second Primary Draw
33	Flush Sample taken 2 minutes after First Flush Sample
34	First Primary draw of 125 milliliters
35	Second Primary draw of 125 milliliters
36	Flush Sample taken 30 Seconds after Second Primary Draw
37	Flush Sample taken 2 minutes after First Flush Sample
38	First Primary draw of 125 milliliters
39	Second Primary draw of 125 milliliters
40	Flush Sample taken 30 Seconds after Second Primary Draw
41	Flush Sample taken 2 minutes after First Flush Sample
42	First Primary draw of 125 milliliters
43	Second Primary draw of 125 milliliters
44	Flush Sample taken 30 Seconds after Second Primary Draw
45	Flush Sample taken 2 minutes after First Flush Sample
46	First Primary draw of 125 milliliters
47	Second Primary draw of 125 milliliters
48	Flush Sample taken 30 Seconds after Second Primary Draw
49	Flush Sample taken 2 minutes after First Flush Sample

	A	B	C	D	E	F	G	H	I	J
50	Lead	0.010	CF018-RM #4	P1	First Primary draw of 125 milliliters		Copper	0.09	CF018-RM #4	P1
51	Lead	0.007	CF018-RM #4	P2	Second Primary draw of 125 milliliters		Copper	0.11	CF018-RM #4	P2
52	Lead	0.000	CF018-RM #4	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	CF018-RM #4	F01
53	Lead	0.000	CF018-RM #4	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	CF018-RM #4	F02
54	Lead	0.007	KC015-RM #1	P1	First Primary draw of 125 milliliters		Copper	0.13	KC015-RM #1	P1
55	Lead	0.002	KC015-RM #1	P2	Second Primary draw of 125 milliliters		Copper	0.27	KC015-RM #1	P2
56	Lead	0.002	KC015-RM #1	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	KC015-RM #1	F01
57	Lead	0.002	KC015-RM #1	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.07	KC015-RM #1	F02
58	Lead	0.031	CF005-RM 17	P1	First Primary draw of 125 milliliters		Copper	0.08	CF005-RM 17	P1
59	Lead	0.006	CF005-RM 17	P2	Second Primary draw of 125 milliliters		Copper	0.07	CF005-RM 17	P2
60	Lead	0.002	CF005-RM 17	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.06	CF005-RM 17	F01
61	Lead	0.001	CF005-RM 17	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.06	CF005-RM 17	F02
62	Lead	0.064	DW001-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.11	DW001-DRINKING FOUNTAIN	P1
63	Lead	0.004	DW001-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.09	DW001-DRINKING FOUNTAIN	P2
64	Lead	0.002	DW001-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.09	DW001-DRINKING FOUNTAIN	F01
65	Lead	0.000	DW001-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW001-DRINKING FOUNTAIN	F02
66	Lead	0.023	DW009-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.33	DW009-DRINKING FOUNTAIN	P1
67	Lead	0.007	DW009-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.09	DW009-DRINKING FOUNTAIN	P2
68	Lead	0.003	DW009-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	DW009-DRINKING FOUNTAIN	F01
69	Lead	0.002	DW009-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW009-DRINKING FOUNTAIN	F02
70	Lead	0.025	CF010-RM 27	P1	First Primary draw of 125 milliliters		Copper	0.19	CF010-RM 27	P1
71	Lead	0.034	CF010-RM 27	P2	Second Primary draw of 125 milliliters		Copper	0.16	CF010-RM 27	P2
72	Lead	0.002	CF010-RM 27	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	CF010-RM 27	F01
73	Lead	0.000	CF010-RM 27	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	CF010-RM 27	F02
74	Lead	0.164	CF007-RM 26	P1	First Primary draw of 125 milliliters		Copper	2.04	CF007-RM 26	P1
75	Lead	0.166	CF007-RM 26	P2	Second Primary draw of 125 milliliters		Copper	1.74	CF007-RM 26	P2

	K
50	First Primary draw of 125 milliliters
51	Second Primary draw of 125 milliliters
52	Flush Sample taken 30 Seconds after Second Primary Draw
53	Flush Sample taken 2 minutes after First Flush Sample
54	First Primary draw of 125 milliliters
55	Second Primary draw of 125 milliliters
56	Flush Sample taken 30 Seconds after Second Primary Draw
57	Flush Sample taken 2 minutes after First Flush Sample
58	First Primary draw of 125 milliliters
59	Second Primary draw of 125 milliliters
60	Flush Sample taken 30 Seconds after Second Primary Draw
61	Flush Sample taken 2 minutes after First Flush Sample
62	First Primary draw of 125 milliliters
63	Second Primary draw of 125 milliliters
64	Flush Sample taken 30 Seconds after Second Primary Draw
65	Flush Sample taken 2 minutes after First Flush Sample
66	First Primary draw of 125 milliliters
67	Second Primary draw of 125 milliliters
68	Flush Sample taken 30 Seconds after Second Primary Draw
69	Flush Sample taken 2 minutes after First Flush Sample
70	First Primary draw of 125 milliliters
71	Second Primary draw of 125 milliliters
72	Flush Sample taken 30 Seconds after Second Primary Draw
73	Flush Sample taken 2 minutes after First Flush Sample
74	First Primary draw of 125 milliliters
75	Second Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H	I	J
76	Lead	0.015	CF007-RM 26	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.78	CF007-RM 26	F01
77	Lead	0.001	CF007-RM 26	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.06	CF007-RM 26	F02
78	Lead	0.007	CF003-RM 15	P1	First Primary draw of 125 milliliters		Copper	0.14	CF003-RM 15	P1
79	Lead	0.011	CF003 RM 15	P2	Second Primary draw of 125 milliliters		Copper	0.11	CF003 RM 15	P2
80	Lead	0.001	CF003-RM 15	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.09	CF003-RM 15	F01
81	Lead	0.000	CF003-RM 15	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	CF003-RM 15	F02
82	Lead	0.000	CF012	P1	First Primary draw of 125 milliliters		Copper	0.06	CF012	P1
83	Lead	0.014	CF012	P2	Second Primary draw of 125 milliliters		Copper	0.13	CF012	P2
84	Lead	0.000	CF012	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	CF012	F01
85	Lead	0.000	CF012	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	CF012	F02
86	Lead	0.011	WC011-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.56	WC011-DRINKING FOUNTAIN	P1
87	Lead	0.014	WC011-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.67	WC011-DRINKING FOUNTAIN	P2
88	Lead	0.014	WC011-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.39	WC011-DRINKING FOUNTAIN	F01
89	Lead	0.002	WC011-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.06	WC011-DRINKING FOUNTAIN	F02
90	Lead	0.046	DW008-DRINKING FOUNTAIN	P1	First Primary draw of 125 milliliters		Copper	0.42	DW008-DRINKING FOUNTAIN	P1
91	Lead	0.011	DW008-DRINKING FOUNTAIN	P2	Second Primary draw of 125 milliliters		Copper	0.10	DW008-DRINKING FOUNTAIN	P2
92	Lead	0.004	DW008-DRINKING FOUNTAIN	F01	Flush Sample taken 30 Seconds after Second Primary Draw		Copper	0.00	DW008-DRINKING FOUNTAIN	F01
93	Lead	0.001	DW008-DRINKING FOUNTAIN	F02	Flush Sample taken 2 minutes after First Flush Sample		Copper	0.00	DW008-DRINKING FOUNTAIN	F02
94	Lead	0.010	CF004 - RM #17	CA1	First Sequential Sample		Copper	0.17	CF004 - RM #17	CA1
95	Lead	0.003	CF004 - RM #17	CA2	Second Sequential Sample		Copper	0.17	CF004 - RM #17	CA2
96	Lead	0.003	CF004 - RM #17	CA3	Third Sequential Sample		Copper	0.18	CF004 - RM #17	CA3
97	Lead	0.003	CF004 - RM #17	CA4	Forth Sequential Sample		Copper	0.19	CF004 - RM #17	CA4
98	Lead	0.002	CF004 - RM #17	CA5	Fifth Sequential Sample		Copper	0.20	CF004 - RM #17	CA5
99	Lead	0.002	CF004 - RM #17	CA6	Sixth Sequential Sample		Copper	0.19	CF004 - RM #17	CA6
100	Lead	0.002	CF004 - RM #17	CA7	Seventh Sequential Sample		Copper	0.19	CF004 - RM #17	CA7
101	Lead	0.002	CF004 - RM #17	CA8	Eigth Sequential Sample		Copper	0.19	CF004 - RM #17	CA8
102	Lead	0.002	CF004 - RM #17	CA9	Ninth Sequential Sample		Copper	0.18	CF004 - RM #17	CA9
103	Lead	0.002	CF004 - RM #17	CA10	Tenth Sequential Sample		Copper	0.17	CF004 - RM #17	CA10

	K
76	Flush Sample taken 30 Seconds after Second Primary Draw
77	Flush Sample taken 2 minutes after First Flush Sample
78	First Primary draw of 125 milliliters
79	Second Primary draw of 125 milliliters
80	Flush Sample taken 30 Seconds after Second Primary Draw
81	Flush Sample taken 2 minutes after First Flush Sample
82	First Primary draw of 125 milliliters
83	Second Primary draw of 125 milliliters
84	Flush Sample taken 30 Seconds after Second Primary Draw
85	Flush Sample taken 2 minutes after First Flush Sample
86	First Primary draw of 125 milliliters
87	Second Primary draw of 125 milliliters
88	Flush Sample taken 30 Seconds after Second Primary Draw
89	Flush Sample taken 2 minutes after First Flush Sample
90	First Primary draw of 125 milliliters
91	Second Primary draw of 125 milliliters
92	Flush Sample taken 30 Seconds after Second Primary Draw
93	Flush Sample taken 2 minutes after First Flush Sample
94	First Sequential Sample
95	Second Sequential Sample
96	Third Sequential Sample
97	Forth Sequential Sample
98	Fifth Sequential Sample
99	Sixth Sequential Sample
100	Seventh Sequential Sample
101	Eighth Sequential Sample
102	Ninth Sequential Sample
103	Tenth Sequential Sample

	A	B	C	D	E	F	G	H	I	J
104	Lead	0.002	CF012 -	CB1	First Sequential Sample		Copper	0.00	CF012 -	CB1
105	Lead	0.000	CF012	CB2	Second Sequential Sample		Copper	0.00	CF012	CB2
106	Lead	0.000	CF012	CB3	Third Sequential Sample		Copper	0.00	CF012	CB3
107	Lead	0.000	CF012	CB4	Forth Sequential Sample		Copper	0.00	CF012	CB4
108	Lead	0.000	CF012	CB5	Fifth Sequential Sample		Copper	0.00	CF012	CB5
109	Lead	0.000	CF012	CB6	Sixth Sequential Sample		Copper	0.00	CF012	CB6
110	Lead	0.000	CF012	CB7	Seventh Sequential Sample		Copper	0.00	CF012	CB7
111	Lead	0.000	CF012	CB8	Eigth Sequential Sample		Copper	0.00	CF012	CB8
112	Lead	0.000	CF012	CB9	Ninth Sequential Sample		Copper	0.00	CF012	CB9
113	Lead	0.000	CF012	CB10	Tenth Sequential Sample		Copper	0.00	CF012	CB10
114	Lead	0.002	CF023	CC1	First Sequential Sample		Copper	0.00	CF023	CC1
115	Lead	0.000	CF023	CC2	Second Sequential Sample		Copper	0.00	CF023	CC2
116	Lead	0.000	CF023	CC3	Third Sequential Sample		Copper	0.00	CF023	CC3
117	Lead	0.000	CF023	CC4	Forth Sequential Sample		Copper	0.00	CF023	CC4
118	Lead	0.000	CF023	CC5	Fifth Sequential Sample		Copper	0.00	CF023	CC5
119	Lead	0.000	CF023	CC6	Sixth Sequential Sample		Copper	0.00	CF023	CC6
120	Lead	0.000	CF023	CC7	Seventh Sequential Sample		Copper	0.00	CF023	CC7
121	Lead	0.000	CF023	CC8	Eigth Sequential Sample		Copper	0.00	CF023	CC8
122	Lead	0.000	CF023	CC9	Ninth Sequential Sample		Copper	0.00	CF023	CC9
123	Lead	0.000	CF023	CC10	Tenth Sequential Sample		Copper	0.00	CF023	CC10

	K
104	First Sequential Sample
105	Second Sequential Sample
106	Third Sequential Sample
107	Forth Sequential Sample
108	Fifth Sequential Sample
109	Sixth Sequential Sample
110	Seventh Sequential Sample
111	Eigth Sequential Sample
112	Ninth Sequential Sample
113	Tenth Sequential Sample
114	First Sequential Sample
115	Second Sequential Sample
116	Third Sequential Sample
117	Forth Sequential Sample
118	Fifth Sequential Sample
119	Sixth Sequential Sample
120	Seventh Sequential Sample
121	Eigth Sequential Sample
122	Ninth Sequential Sample
123	Tenth Sequential Sample

From: Krisztian, George (DEQ)
Sent: Wednesday, November 18, 2015 10:56 AM
To: Devereaux, Tracy Jo (DEQ)
Subject: UPDATE FOR PIERCE/ DOYLE RYDER SPREADSHEET
Attachments: Pierce and Doyle Rider.xlsx

Importance: High

USE THIS ONE.

I found another shading mistake in the other one.

George

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

PPI

	A	B	C	D	E	F
1	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code
2	Lead	0.000	Copper	0.10	02KC033- TEMPORARY CLASSROOM	CA1
3	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA2
4	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA3
5	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA4
6	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA5
7	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA6
8	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA7
9	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA8
10	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA9
11	Lead	0.000	Copper	0.00	02KC033- TEMPORARY CLASSROOM	CA10
12	Lead	0.002	Copper	0.17	01CF013- RM 100	CB1
13	Lead	0.002	Copper	0.16	01CF013- RM 100	CB2
14	Lead	0.002	Copper	0.15	01CF013- RM 100	CB3
15	Lead	0.002	Copper	0.16	01CF013- RM 100	CB4
16	Lead	0.002	Copper	0.17	01CF013- RM 100	CB5
17	Lead	0.002	Copper	0.18	01CF013- RM 100	CB6
18	Lead	0.002	Copper	0.18	01CF013- RM 100	CB7
19	Lead	0.002	Copper	0.19	01CF013- RM 100	CB8
20	Lead	0.003	Copper	0.19	01CF013- RM 100	CB9
21	Lead	0.003	Copper	0.21	01CF013- RM 100	CB10
22	Lead	0.004	Copper	0.18	01CF018- RM 301	CC1
23	Lead	0.002	Copper	0.13	01CF018- RM 301	CC2
24	Lead	0.002	Copper	0.12	01CF018- RM 301	CC3
25	Lead	0.002	Copper	0.12	01CF018- RM 301	CC4
26	Lead	0.001	Copper	0.12	01CF018- RM 301	CC5
27	Lead	0.001	Copper	0.12	01CF018- RM 301	CC6
28	Lead	0.001	Copper	0.12	01CF018- RM 301	CC7
29	Lead	0.001	Copper	0.12	01CF018- RM 301	CC8
30	Lead	0.001	Copper	0.12	01CF018- RM 301	CC9
31	Lead	0.000	Copper	0.12	01CF018- RM 301	CC10
32	Lead	0.004	Copper	0.15	01CF032- RM 310	CD1
33	Lead	0.005	Copper	0.14	01CF032- RM 310	CD2
34	Lead	0.006	Copper	0.14	01CF032- RM 310	CD3
35	Lead	0.004	Copper	0.14	01CF032- RM 310	CD4
36	Lead	0.003	Copper	0.13	01CF032- RM 310	CD5
37	Lead	0.003	Copper	0.13	01CF032- RM 310	CD6
38	Lead	0.003	Copper	0.13	01CF032- RM 310	CD7
39	Lead	0.003	Copper	0.13	01CF032- RM 310	CD8
40	Lead	0.003	Copper	0.13	01CF032- RM 310	CD9
41	Lead	0.002	Copper	0.13	01CF032- RM 310	CD10
42	Lead	0.008	Copper	0.51	01WC002	P1

	G	H	I	J	K	L
1	Site Code Description					
2	First Sequential Sample					
3	Second Sequential Sample					
4	Third Sequential Sample					
5	Forth Sequential Sample					
6	Fifth Sequential Sample					
7	Sixth Sequential Sample					
8	Seventh Sequential Sample					
9	Eighth Sequential Sample					
10	Ninth Sequential Sample					
11	Tenth Sequential Sample					
12	First Sequential Sample					
13	Second Sequential Sample					
14	Third Sequential Sample					
15	Forth Sequential Sample					
16	Fifth Sequential Sample					
17	Sixth Sequential Sample					
18	Seventh Sequential Sample					
19	Eighth Sequential Sample					
20	Ninth Sequential Sample					
21	Tenth Sequential Sample					
22	First Sequential Sample					
23	Second Sequential Sample					
24	Third Sequential Sample					
25	Forth Sequential Sample					
26	Fifth Sequential Sample					
27	Sixth Sequential Sample					
28	Seventh Sequential Sample					
29	Eighth Sequential Sample					
30	Ninth Sequential Sample					
31	Tenth Sequential Sample					
32	First Sequential Sample					
33	Second Sequential Sample					
34	Third Sequential Sample					
35	Forth Sequential Sample					
36	Fifth Sequential Sample					
37	Sixth Sequential Sample					
38	Seventh Sequential Sample					
39	Eighth Sequential Sample					
40	Ninth Sequential Sample					
41	Tenth Sequential Sample					
42	First Primary draw of 125 milliliters					

	A	B	C	D	E	F
43	Lead	0.013	Copper	0.60	01WC002	P2
44	Lead	0.035	Copper	0.77	01WC002	F01
45	Lead	0.019	Copper	0.35	01WC002	F02
46	Lead	0.020	Copper	0.68	01DW001	P1
47	Lead	0.002	Copper	0.25	01DW001	P2
48	Lead	0.002	Copper	0.17	01DW001	F01
49	Lead	0.000	Copper	0.08	01DW001	F02
50	Lead	0.026	Copper	0.36	01CF003 - RM 109	P1
51	Lead	0.017	Copper	0.27	01CF003 - RM 109	P2
52	Lead	0.009	Copper	0.34	01CF003 - RM 109	F01
53	Lead	0.002	Copper	0.15	01CF003 - RM 109	F02
54	Lead	0.042	Copper	0.43	01DW004 - RM 109	P1
55	Lead	0.017	Copper	0.26	01DW004 - RM 109	P2
56	Lead	0.003	Copper	0.15	01DW004 - RM 109	F01
57	Lead	0.001	Copper	0.15	01DW004 - RM 109	F02
58	Lead	0.014	Copper	0.28	01DW006 - RM 110	P1
59	Lead	0.003	Copper	0.18	01DW006 - RM 110	P2
60	Lead	0.002	Copper	0.17	01DW006 - RM 110	F01
61	Lead	0.001	Copper	0.16	01DW006 - RM 110	F02
62	Lead	0.007	Copper	0.31	01CF005 - RM 110	P1
63	Lead	0.008	Copper	0.30	01CF005 - RM 110	P2
64	Lead	0.002	Copper	0.16	01CF005 - RM 110	F01
65	Lead	0.000	Copper	0.16	01CF005 - RM 110	F02
66	Lead	0.097	Copper	0.60	01CF007 - RM 108	P1
67	Lead	0.132	Copper	0.55	01CF007 - RM 108	P2
68	Lead	0.009	Copper	0.21	01CF007 - RM 108	F01
69	Lead	0.002	Copper	0.15	01CF007 - RM 108	F02
70	Lead	0.026	Copper	0.34	01DW009 - RM 111	P1
71	Lead	0.038	Copper	0.51	01DW009 - RM 111	P2
72	Lead	0.007	Copper	0.22	01DW009 RM 111	F01
73	Lead	0.003	Copper	0.15	01DW009 - RM 111	F02
74	Lead	0.025	Copper	0.25	01CF011 - RM 107	P1
75	Lead	0.011	Copper	0.19	01CF011 - RM 107	P2

	G	H	I	J	K	L
43	Second Primary draw of 125 milliliters					
44	Flush Sample taken 30 Seconds after Second Primary Draw					
45	Flush Sample taken 2 minutes after First Flush Sample					
46	First Primary draw of 125 milliliters					
47	Second Primary draw of 125 milliliters					
48	Flush Sample taken 30 Seconds after Second Primary Draw					
49	Flush Sample taken 2 minutes after First Flush Sample					
50	First Primary draw of 125 milliliters					
51	Second Primary draw of 125 milliliters					
52	Flush Sample taken 30 Seconds after Second Primary Draw					
53	Flush Sample taken 2 minutes after First Flush Sample					
54	First Primary draw of 125 milliliters					
55	Second Primary draw of 125 milliliters					
56	Flush Sample taken 30 Seconds after Second Primary Draw					
57	Flush Sample taken 2 minutes after First Flush Sample					
58	First Primary draw of 125 milliliters					
59	Second Primary draw of 125 milliliters					
60	Flush Sample taken 30 Seconds after Second Primary Draw					
61	Flush Sample taken 2 minutes after First Flush Sample					
62	First Primary draw of 125 milliliters					
63	Second Primary draw of 125 milliliters					
64	Flush Sample taken 30 Seconds after Second Primary Draw					
65	Flush Sample taken 2 minutes after First Flush Sample					
66	First Primary draw of 125 milliliters					
67	Second Primary draw of 125 milliliters					
68	Flush Sample taken 30 Seconds after Second Primary Draw					
69	Flush Sample taken 2 minutes after First Flush Sample					
70	First Primary draw of 125 milliliters					
71	Second Primary draw of 125 milliliters					
72	Flush Sample taken 30 Seconds after Second Primary Draw					
73	Flush Sample taken 2 minutes after First Flush Sample					
74	First Primary draw of 125 milliliters					
75	Second Primary draw of 125 milliliters					

	A	B	C	D	E	F
76	Lead	0.003	Copper	0.16	01CF011 - RM 107	F01
77	Lead	0.002	Copper	0.15	01CF011 - RM 107	F02
78	Lead	0.043	Copper	1.15	01CF010 - RM 111	P1
79	Lead	0.022	Copper	0.60	01CF010 - RM 111	P2
80	Lead	0.003	Copper	0.16	01CF010 - RM 111	F01
81	Lead	0.003	Copper	0.15	01CF010 - RM 111	F02
82	Lead	0.078	Copper	0.50	01DW012 - RM 112	P1
83	Lead	0.011	Copper	0.19	01DW012 - RM 112	P2
84	Lead	0.004	Copper	0.16	01DW012 - RM 112	F01
85	Lead	0.003	Copper	0.15	01DW012 - RM 112	F02
86	Lead	0.468	Copper	0.20	01DW008 - RM 108	P1
87	Lead	0.075	Copper	0.16	01DW008 - RM 108	P2
88	Lead	0.006	Copper	0.15	01DW008 - RM 108	F01
89	Lead	0.004	Copper	0.15	01DW008 - RM 108	F02
90	Lead	0.023	Copper	0.19	01DW027 - RM 311	P1
91	Lead	0.019	Copper	0.25	01DW027 - RM 311	P2
92	Lead	0.061	Copper	0.39	01DW027 - RM 311	F01
93	Lead	0.020	Copper	0.18	01DW027 - RM 311	F02
94	Lead	0.061	Copper	0.60	01CF026 - RM 307	P1
95	Lead	0.036	Copper	0.40	01CF026 - RM 307	P2
96	Lead	0.007	Copper	0.17	01CF026 - RM 307	F01
97	Lead	0.004	Copper	0.15	01CF026 - RM 307	F02
98	Lead	0.191	Copper	2.05	01DW025 - RM 307	P1
99	Lead	0.069	Copper	0.50	01DW025 - RM 307	P2
100	Lead	0.028	Copper	0.20	01DW025 - RM 307	F01
101	Lead	0.006	Copper	0.17	01DW025 - RM 307	F02
102	Lead	0.017	Copper	0.39	01CF028 - RM 311	P1
103	Lead	0.019	Copper	0.21	01CF028 - RM 311	P2
104	Lead	0.038	Copper	0.24	01CF028 - RM 311	F01
105	Lead	0.015	Copper	0.17	01CF028 - RM 311	F02
106	Lead	0.011	Copper	0.30	01CF032 - RM 310	P1
107	Lead	0.005	Copper	0.13	01CF032 - RM 310	P2
108	Lead	0.003	Copper	0.12	01CF032 - RM 310	F01

	G	H	I	J	K	L
76	Flush Sample taken 30 Seconds after Second Primary Draw					
77	Flush Sample taken 2 minutes after First Flush Sample					
78	First Primary draw of 125 milliliters					
79	Second Primary draw of 125 milliliters					
80	Flush Sample taken 30 Seconds after Second Primary Draw					
81	Flush Sample taken 2 minutes after First Flush Sample					
82	First Primary draw of 125 milliliters					
83	Second Primary draw of 125 milliliters					
84	Flush Sample taken 30 Seconds after Second Primary Draw					
85	Flush Sample taken 2 minutes after First Flush Sample					
86	First Primary draw of 125 milliliters					
87	Second Primary draw of 125 milliliters					
88	Flush Sample taken 30 Seconds after Second Primary Draw					
89	Flush Sample taken 2 minutes after First Flush Sample					
90	First Primary draw of 125 milliliters					
91	Second Primary draw of 125 milliliters					
92	Flush Sample taken 30 Seconds after Second Primary Draw					
93	Flush Sample taken 2 minutes after First Flush Sample					
94	First Primary draw of 125 milliliters					
95	Second Primary draw of 125 milliliters					
96	Flush Sample taken 30 Seconds after Second Primary Draw					
97	Flush Sample taken 2 minutes after First Flush Sample					
98	First Primary draw of 125 milliliters					
99	Second Primary draw of 125 milliliters					
100	Flush Sample taken 30 Seconds after Second Primary Draw					
101	Flush Sample taken 2 minutes after First Flush Sample					
102	First Primary draw of 125 milliliters					
103	Second Primary draw of 125 milliliters					
104	Flush Sample taken 30 Seconds after Second Primary Draw					
105	Flush Sample taken 2 minutes after First Flush Sample					
106	First Primary draw of 125 milliliters					
107	Second Primary draw of 125 milliliters					
108	Flush Sample taken 30 Seconds after Second Primary Draw					

	A	B	C	D	E	F
109	Lead	0.002	Copper	0.12	01CF032 - RM 310	F02
110	Lead	0.029	Copper	0.36	01DW031 - RM 310	P1
111	Lead	0.035	Copper	0.24	01DW031 - RM 310	P2
112	Lead	0.073	Copper	0.43	01DW031 - RM 310	F01
113	Lead	0.003	Copper	0.12	01DW031 - RM 310	F02
114	Lead	0.060	Copper	1.08	01CF030 - RM 308	P1
115	Lead	0.009	Copper	0.18	01CF030 - RM 308	P2
116	Lead	0.011	Copper	0.14	01CF030 - RM 308	F01
117	Lead	0.003	Copper	0.13	01CF030 - RM 308	F02
118	Lead	0.078	Copper	0.48	01DW029 - RM 308	P1
119	Lead	0.023	Copper	0.19	01DW029 - RM 308	P2
120	Lead	0.005	Copper	0.14	01DW029 - RM 308	F01
121	Lead	0.002	Copper	0.13	01DW029 - RM 308	F02
122	Lead	0.002	Copper	0.22	02KC033 - TEMPORARY CLASSROOM	P1
123	Lead	0.000	Copper	0.51	02KC033 - TEMPORARY CLASSROOM	P2
124	Lead	0.000	Copper	0.27	02KC033 - TEMPORARY CLASSROOM	F01
125	Lead	0.000	Copper	0.00	02KC033 - TEMPORARY CLASSROOM	F02
126	Lead	0.000	Copper	0.73	02DW034 - TEMPORARY CLASSROOM	P1
127	Lead	0.054	Copper	0.82	02DW034 - TEMPORARY CLASSROOM	P2
128	Lead	0.036	Copper	1.77	02DW034 - TEMPORARY CLASSROOM	F01
129	Lead	0.002	Copper	0.17	02DW034 - TEMPORARY CLASSROOM	F02
130	Lead	0.036	Copper	0.32	01DW024 - RM 312	P1
131	Lead	0.008	Copper	0.16	01DW024 - RM 312	P2
132	Lead	0.006	Copper	0.15	01DW024 - RM 312	F01
133	Lead	0.004	Copper	0.13	01DW024 - RM 312	F02
134	Lead	0.053	Copper	0.53	01CF020 - RM 302	P1
135	Lead	0.030	Copper	0.34	01CF020 - RM 302	P2
136	Lead	0.001	Copper	0.12	01CF020 - RM 302	F01
137	Lead	0.000	Copper	0.11	01CF020 - RM 302	F02
138	Lead	0.022	Copper	0.27	01CF023 - RM 312	P1
139	Lead	0.014	Copper	0.19	01CF023 - RM 312	P2
140	Lead	0.009	Copper	0.17	01CF023 - RM 312	F01
141	Lead	0.006	Copper	0.15	01CF023 - RM 312	F02
142	Lead	0.220	Copper	0.51	01DW019 - RM 302	P1

	G	H	I	J	K	L
109	Flush Sample taken 2 minutes after First Flush Sample					
110	First Primary draw of 125 milliliters					
111	Second Primary draw of 125 milliliters					
112	Flush Sample taken 30 Seconds after Second Primary Draw					
113	Flush Sample taken 2 minutes after First Flush Sample					
114	First Primary draw of 125 milliliters					
115	Second Primary draw of 125 milliliters					
116	Flush Sample taken 30 Seconds after Second Primary Draw					
117	Flush Sample taken 2 minutes after First Flush Sample					
118	First Primary draw of 125 milliliters					
119	Second Primary draw of 125 milliliters					
120	Flush Sample taken 30 Seconds after Second Primary Draw					
121	Flush Sample taken 2 minutes after First Flush Sample					
122	First Primary draw of 125 milliliters					
123	Second Primary draw of 125 milliliters					
124	Flush Sample taken 30 Seconds after Second Primary Draw					
125	Flush Sample taken 2 minutes after First Flush Sample					
126	First Primary draw of 125 milliliters					
127	Second Primary draw of 125 milliliters					
128	Flush Sample taken 30 Seconds after Second Primary Draw					
129	Flush Sample taken 2 minutes after First Flush Sample					
130	First Primary draw of 125 milliliters					
131	Second Primary draw of 125 milliliters					
132	Flush Sample taken 30 Seconds after Second Primary Draw					
133	Flush Sample taken 2 minutes after First Flush Sample					
134	First Primary draw of 125 milliliters					
135	Second Primary draw of 125 milliliters					
136	Flush Sample taken 30 Seconds after Second Primary Draw					
137	Flush Sample taken 2 minutes after First Flush Sample					
138	First Primary draw of 125 milliliters					
139	Second Primary draw of 125 milliliters					
140	Flush Sample taken 30 Seconds after Second Primary Draw					
141	Flush Sample taken 2 minutes after First Flush Sample					
142	First Primary draw of 125 milliliters					

	A	B	C	D	E	F
143	Lead	0.023	Copper	0.34	01DW019 - RM 302	P2
144	Lead	0.003	Copper	0.13	01DW019 - RM 302	F01
145	Lead	0.002	Copper	0.12	01DW019 - RM 302	F02
146	Lead	0.017	Copper	0.40	01DW022 - RM 306	P1
147	Lead	0.006	Copper	0.17	01DW022 - RM 306	P2
148	Lead	0.004	Copper	0.15	01DW022 - RM 306	F01
149	Lead	0.013	Copper	0.15	01DW022 - RM 306	F02
150	Lead	0.015	Copper	0.36	01CF021 - RM 306	P1
151	Lead	0.050	Copper	0.25	01CF021 - RM 306	P2
152	Lead	0.008	Copper	0.17	01CF021 - RM 306	F01
153	Lead	0.003	Copper	0.14	01CF021 - RM 306	F02
154	Lead	0.013	Copper	0.30	01CF018 - RM 301	P1
155	Lead	0.016	Copper	0.31	01CF018 - RM 301	P2
156	Lead	0.004	Copper	0.16	01CF018 - RM 301	F01
157	Lead	0.001	Copper	0.14	01CF018 - RM 301	F02
158	Lead	0.004	Copper	0.30	01DW017 - MAIN CORRIDOR	P1
159	Lead	0.002	Copper	0.15	01DW017 - MAIN CORRIDOR	P2
160	Lead	0.002	Copper	0.12	01DW017 - MAIN CORRIDOR	F01
161	Lead	0.001	Copper	0.11	01DW017 - MAIN CORRIDOR	F02
162	Lead	0.007	Copper	0.50	01KC016 - TEACHERS LOUNGE	P1
163	Lead	0.002	Copper	0.63	01KC016 - TEACHERS LOUNGE	P2
164	Lead	0.000	Copper	0.20	01KC016 - TEACHERS LOUNGE	F01
165	Lead	0.000	Copper	0.12	01KC016 - TEACHERS LOUNGE	F02
166	Lead	0.010	Copper	0.20	01CF014 - RM 100	P1
167	Lead	0.013	Copper	0.21	01CF014 - RM 100	P2
168	Lead	0.008	Copper	0.18	01CF014 - RM 100	F01
169	Lead	0.003	Copper	0.14	01CF014 - RM 100	F02
170	Lead	0.014	Copper	0.19	01DW015 - RM 100	P1
171	Lead	0.003	Copper	0.14	01DW015 - RM 100	P2
172	Lead	0.001	Copper	0.13	01DW015 - RM 100	F01
173	Lead	0.002	Copper	0.15	01DW015 - RM 100	F02
174	Lead	0.012	Copper	0.25	01CF013 - RM 100	P1
175	Lead	0.006	Copper	0.19	01CF013 - RM 100	P2

	G	H	I	J	K	L
143	Second Primary draw of 125 milliliters					
144	Flush Sample taken 30 Seconds after Second Primary Draw					
145	Flush Sample taken 2 minutes after First Flush Sample					
146	First Primary draw of 125 milliliters					
147	Second Primary draw of 125 milliliters					
148	Flush Sample taken 30 Seconds after Second Primary Draw					
149	Flush Sample taken 2 minutes after First Flush Sample					
150	First Primary draw of 125 milliliters					
151	Second Primary draw of 125 milliliters					
152	Flush Sample taken 30 Seconds after Second Primary Draw					
153	Flush Sample taken 2 minutes after First Flush Sample					
154	First Primary draw of 125 milliliters					
155	Second Primary draw of 125 milliliters					
156	Flush Sample taken 30 Seconds after Second Primary Draw					
157	Flush Sample taken 2 minutes after First Flush Sample					
158	First Primary draw of 125 milliliters					
159	Second Primary draw of 125 milliliters					
160	Flush Sample taken 30 Seconds after Second Primary Draw					
161	Flush Sample taken 2 minutes after First Flush Sample					
162	First Primary draw of 125 milliliters					
163	Second Primary draw of 125 milliliters					
164	Flush Sample taken 30 Seconds after Second Primary Draw					
165	Flush Sample taken 2 minutes after First Flush Sample					
166	First Primary draw of 125 milliliters					
167	Second Primary draw of 125 milliliters					
168	Flush Sample taken 30 Seconds after Second Primary Draw					
169	Flush Sample taken 2 minutes after First Flush Sample					
170	First Primary draw of 125 milliliters					
171	Second Primary draw of 125 milliliters					
172	Flush Sample taken 30 Seconds after Second Primary Draw					
173	Flush Sample taken 2 minutes after First Flush Sample					
174	First Primary draw of 125 milliliters					
175	Second Primary draw of 125 milliliters					

	A	B	C	D	E	F
176	Lead	0.000	Copper	0.13	01CF013 - RM 100	F01
177	Lead	0.002	Copper	0.16	01CF013 - RM 100	F02
178						
179	Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting					
180						
181	Results in RED exceed 15 ppb for lead or 1.3 PPM for Copper					
182	1 ppb = 0.001 mg/L					

	G	H	I	J	K	L
176	Flush Sample taken 30 Seconds after Second Primary Draw					
177	Flush Sample taken 2 minutes after First Flush Sample					
178						
179						
180						
181						
182						

	A	B	C	D	E	F
1	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code
2	Lead	0.005	Copper	0.09	01CF001 RM 159	CA1
3	Lead	0.001	Copper	0.06	01CF001 RM 159	CA2
4	Lead	0.000	Copper	0.00	01CF001 RM 159	CA3
5	Lead	0.000	Copper	0.00	01CF001 RM 159	CA4
6	Lead	0.000	Copper	0.00	01CF001 RM 159	CA5
7	Lead	0.000	Copper	0.00	01CF001 RM 159	CA6
8	Lead	0.000	Copper	0.00	01CF001 RM 159	CA7
9	Lead	0.000	Copper	0.00	01CF001 RM 159	CA8
10	Lead	0.000	Copper	0.00	01CF001 RM 159	CA9
11	Lead	0.000	Copper	0.00	01CF001 RM 159	CA10
12	Lead	0.008	Copper	0.13	01CF018-RM 155	CB1
13	Lead	0.003	Copper	0.07	01CF018 RM 155	CB2
14	Lead	0.003	Copper	0.07	01CF018 RM 155	CB3
15	Lead	0.002	Copper	0.07	01CF018 RM 155	CB4
16	Lead	0.002	Copper	0.06	01CF018 RM 155	CB5
17	Lead	0.002	Copper	0.06	01CF018 RM 155	CB6
18	Lead	0.002	Copper	0.06	01CF018 RM 155	CB7
19	Lead	0.002	Copper	0.06	01CF018 RM 155	CB8
20	Lead	0.002	Copper	0.06	01CF018 RM 155	CB9
21	Lead	0.002	Copper	0.06	01CF018 RM 155	CB10
22	Lead	0.013	Copper	0.08	02CF030 RM 254	CC1
23	Lead	0.003	Copper	0.05	02CF030 RM 254	CC2
24	Lead	0.002	Copper	0.00	02CF030 RM 254	CC3
25	Lead	0.002	Copper	0.00	02CF030 RM 254	CC4
26	Lead	0.002	Copper	0.00	02CF030 RM 254	CC5
27	Lead	0.002	Copper	0.00	02CF030 RM 254	CC6
28	Lead	0.002	Copper	0.06	02CF030 RM 254	CC7
29	Lead	0.002	Copper	0.00	02CF030 RM 254	CC8
30	Lead	0.001	Copper	0.00	02CF030 RM 254	CC9
31	Lead	0.001	Copper	0.00	02CF030 RM 254	CC10
32	Lead	0.186	Copper	0.12	02CF039 RM 260	CD1
33	Lead	0.035	Copper	0.08	02CF039 RM 260	CD2
34	Lead	0.015	Copper	0.07	02CF039 RM 260	CD3
35	Lead	0.012	Copper	0.05	02CF039 RM 260	CD4
36	Lead	0.011	Copper	0.00	02CF039 RM 260	CD5
37	Lead	0.011	Copper	0.00	02CF039 RM 260	CD6
38	Lead	0.010	Copper	0.00	02CF039 RM 260	CD7
39	Lead	0.010	Copper	0.00	02CF039 RM 260	CD8
40	Lead	0.010	Copper	0.00	02CF039 RM 260	CD9
41	Lead	0.009	Copper	0.00	02CF039 RM 260	CD10
42	Lead	0.006	Copper	0.11	02KC052 TEACHERS LOUNGE	CE1

	G
1	Site Code Description
2	First Sequential Sample
3	Second Sequential Sample
4	Third Sequential Sample
5	Forth Sequential Sample
6	Fifth Sequential Sample
7	Sixth Sequential Sample
8	Seventh Sequential Sample
9	Eigth Sequential Sample
10	Ninth Sequential Sample
11	Tenth Sequential Sample
12	First Sequential Sample
13	Second Sequential Sample
14	Third Sequential Sample
15	Forth Sequential Sample
16	Fifth Sequential Sample
17	Sixth Sequential Sample
18	Seventh Sequential Sample
19	Eigth Sequential Sample
20	Ninth Sequential Sample
21	Tenth Sequential Sample
22	First Sequential Sample
23	Second Sequential Sample
24	Third Sequential Sample
25	Forth Sequential Sample
26	Fifth Sequential Sample
27	Sixth Sequential Sample
28	Seventh Sequential Sample
29	Eigth Sequential Sample
30	Ninth Sequential Sample
31	Tenth Sequential Sample
32	First Sequential Sample
33	Second Sequential Sample
34	Third Sequential Sample
35	Forth Sequential Sample
36	Fifth Sequential Sample
37	Sixth Sequential Sample
38	Seventh Sequential Sample
39	Eigth Sequential Sample
40	Ninth Sequential Sample
41	Tenth Sequential Sample
42	First Sequential Sample

	A	B	C	D	E	F
43	Lead	0.003	Copper	0.08	02KC052 TEACHERS LOUNGE	CE2
44	Lead	0.004	Copper	0.08	02KC052 TEACHERS LOUNGE	CE3
45	Lead	0.002	Copper	0.07	02KC052 TEACHERS LOUNGE	CE4
46	Lead	0.001	Copper	0.05	02KC052 TEACHERS LOUNGE	CE5
47	Lead	0.001	Copper	0.05	02KC052 TEACHERS LOUNGE	CE6
48	Lead	0.000	Copper	0.00	02KC052 TEACHERS LOUNGE	CE7
49	Lead	0.001	Copper	0.05	02KC052 TEACHERS LOUNGE	CE8
50	Lead	0.000	Copper	0.00	02KC052 TEACHERS LOUNGE	CE9
51	Lead	0.000	Copper	0.00	02KC052 TEACHERS LOUNGE	CE10
52	Lead	0.010	Copper	0.12	01KC049 RM 110	CF1
53	Lead	0.011	Copper	0.13	01KC049 RM 110	CF2
54	Lead	0.011	Copper	0.13	01KC049 RM 110	CF3
55	Lead	0.011	Copper	0.13	01KC049 RM 110	CF4
56	Lead	0.010	Copper	0.13	01KC049 RM 110	CF5
57	Lead	0.009	Copper	0.13	01KC049 RM 110	CF6
58	Lead	0.009	Copper	0.13	01KC049 RM 110	CF7
59	Lead	0.007	Copper	0.12	01KC049 RM 110	CF8
60	Lead	0.006	Copper	0.12	01KC049 RM 110	CF9
61	Lead	0.005	Copper	0.11	01KC049 RM 110	CF10
62	Lead	0.011	Copper	0.27	02KC052 TEACHERS LOUNGE	P1
63	Lead	0.020	Copper	0.17	02KC052 TEACHERS LOUNGE	P2
64	Lead	0.006	Copper	0.11	02KC052 TEACHERS LOUNGE	F01
65	Lead	0.001	Copper	0.07	02KC052 TEACHERS LOUNGE	F02
66	Lead	0.004	Copper	0.18	02WC050 RIGHT OF ELEV	P1
67	Lead	0.004	Copper	0.20	02WC050 RIGHT OF ELEV	P2
68	Lead	0.006	Copper	0.21	02WC050 RIGHT OF ELEV	F01
69	Lead	0.005	Copper	0.15	02WC050 RIGHT OF ELEV	F02
70	Lead	0.006	Copper	0.16	03WC054 RIGHT OF ELEV	P1
71	Lead	0.005	Copper	0.16	03WC054 RIGHT OF ELEV	P2
72	Lead	0.004	Copper	0.14	03WC054 RIGHT OF ELEV	F01
73	Lead	0.002	Copper	0.12	03WC054 RIGHT OF ELEV	F02
74	Lead	0.008	Copper	0.22	01DW015 RM 151	P1
75	Lead	0.005	Copper	0.09	01DW015 RM 151	P2
76	Lead	0.001	Copper	0.06	01DW015	F01

	G
43	Second Sequential Sample
44	Third Sequential Sample
45	Forth Sequential Sample
46	Fifth Sequential Sample
47	Sixth Sequential Sample
48	Seventh Sequential Sample
49	Eigth Sequential Sample
50	Ninth Sequential Sample
51	Tenth Sequential Sample
52	First Sequential Sample
53	Second Sequential Sample
54	Third Sequential Sample
55	Forth Sequential Sample
56	Fifth Sequential Sample
57	Sixth Sequential Sample
58	Seventh Sequential Sample
59	Eigth Sequential Sample
60	Ninth Sequential Sample
61	Tenth Sequential Sample
62	First Primary draw of 125 milliliters
63	Second Primary draw of 125 milliliters
64	Flush Sample taken 30 Seconds after Second Primary Draw
65	Flush Sample taken 2 minutes after First Flush Sample
66	First Primary draw of 125 milliliters
67	Second Primary draw of 125 milliliters
68	Flush Sample taken 30 Seconds after Second Primary Draw
69	Flush Sample taken 2 minutes after First Flush Sample
70	First Primary draw of 125 milliliters
71	Second Primary draw of 125 milliliters
72	Flush Sample taken 30 Seconds after Second Primary Draw
73	Flush Sample taken 2 minutes after First Flush Sample
74	First Primary draw of 125 milliliters
75	Second Primary draw of 125 milliliters
76	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
77	Lead	0.001	Copper	0.06	01DW015 RM 151	F02
78	Lead	0.008	Copper	0.16	02WC051 RIGHT OF ELEV	P1
79	Lead	0.005	Copper	0.15	02WC051 RIGHT OF ELEV	P2
80	Lead	0.005	Copper	0.14	02WC051 RIGHT OF ELEV	F01
81	Lead	0.005	Copper	0.12	02WC051 RIGHT OF ELEV	F02
82	Lead	0.002	Copper	0.12	03KC056 KITCHEN	P1
83	Lead	0.002	Copper	0.08	03KC056 KITCHEN	P2
84	Lead	0.003	Copper	0.07	03KC056 KITCHEN	F01
85	Lead	0.001	Copper	0.07	03KC056 KITCHEN	F02
86	Lead	0.010	Copper	0.28	03WC053 RIGHT OF ELEV	P1
87	Lead	0.007	Copper	0.32	03WC053 RIGHT OF ELEV	P2
88	Lead	0.006	Copper	0.26	03WC053 RIGHT OF ELEV	F01
89	Lead	0.004	Copper	0.15	03WC053 RIGHT OF ELEV	F02
90	Lead	0.009	Copper	0.10	01CF016 RM 151	P1
91	Lead	0.014	Copper	0.09	01CF016 RM 151	P2
92	Lead	0.002	Copper	0.06	01CF016 RM 151	F01
93	Lead	0.001	Copper	0.05	01CF016 RM 151	F02
94	Lead	0.003	Copper	0.40	01WC043 MAIN CORRIDOR	P1
95	Lead	0.004	Copper	0.41	01WC043 MAIN CORRIDOR	P2
96	Lead	0.006	Copper	0.13	01WC043	F01
97	Lead	0.002	Copper	0.10	01WC043 MAIN CORRIDOR	F02
98	Lead	0.003	Copper	0.12	03KC055 KITCHEN	P1
99	Lead	0.007	Copper	0.14	03KC055 KITCHEN	P2
100	Lead	0.005	Copper	0.09	03KC055 KITCHEN	F01
101	Lead	0.001	Copper	0.07	03KC055 KITCHEN	F02
102	Lead	0.010	Copper	0.11	01CF014 RM 152	P1
103	Lead	0.013	Copper	0.17	01CF014 RM 152	P2
104	Lead	0.002	Copper	0.06	01CF014 RM 152	F01

	G
77	Flush Sample taken 2 minutes after First Flush Sample
78	First Primary draw of 125 milliliters
79	Second Primary draw of 125 milliliters
80	Flush Sample taken 30 Seconds after Second Primary Draw
81	Flush Sample taken 2 minutes after First Flush Sample
82	First Primary draw of 125 milliliters
83	Second Primary draw of 125 milliliters
84	Flush Sample taken 30 Seconds after Second Primary Draw
85	Flush Sample taken 2 minutes after First Flush Sample
86	First Primary draw of 125 milliliters
87	Second Primary draw of 125 milliliters
88	Flush Sample taken 30 Seconds after Second Primary Draw
89	Flush Sample taken 2 minutes after First Flush Sample
90	First Primary draw of 125 milliliters
91	Second Primary draw of 125 milliliters
92	Flush Sample taken 30 Seconds after Second Primary Draw
93	Flush Sample taken 2 minutes after First Flush Sample
94	First Primary draw of 125 milliliters
95	Second Primary draw of 125 milliliters
96	Flush Sample taken 30 Seconds after Second Primary Draw
97	Flush Sample taken 2 minutes after First Flush Sample
98	First Primary draw of 125 milliliters
99	Second Primary draw of 125 milliliters
100	Flush Sample taken 30 Seconds after Second Primary Draw
101	Flush Sample taken 2 minutes after First Flush Sample
102	First Primary draw of 125 milliliters
103	Second Primary draw of 125 milliliters
104	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
105	Lead	0.001	Copper	0.05	01CF014 RM 152	F02
106	Lead	0.011	Copper	0.20	01DW013 RM 152	P1
107	Lead	0.013	Copper	0.15	01DW013	P2
108	Lead	0.002	Copper	0.07	01DW013 RM 152	F01
109	Lead	0.001	Copper	0.06	01DW013 RM 152	F02
110	Lead	0.044	Copper	0.00	02DW042 RM 262	P1
111	Lead	0.011	Copper	0.00	02DW042 RM 262	P2
112	Lead	0.009	Copper	0.00	02DW042 RM 262	F01
113	Lead	0.006	Copper	0.00	02DW042 RM 262	F02
114	Lead	0.340	Copper	0.09	02CF041 RM 262	P1
115	Lead	0.132	Copper	0.21	02CF041 RM 262	P2
116	Lead	0.016	Copper	0.00	02CF041 RM 262	F01
117	Lead	0.008	Copper	0.00	02CF041 RM 262	F02
118	Lead	0.013	Copper	0.08	02CF030 RM 254	P1
119	Lead	0.017	Copper	0.14	02CF030 RM 254	P2
120	Lead	0.002	Copper	0.00	02CF030 RM 254	F01
121	Lead	0.002	Copper	0.00	02CF030 RM 254	F02
122	Lead	0.341	Copper	0.12	02CF039 RM 260	P1
123	Lead	0.349	Copper	0.19	02CF039 RM 260	P2
124	Lead	0.066	Copper	0.12	02CF039 RM 260	F01
125	Lead	0.014	Copper	0.00	02CF039 RM 260	F02
126	Lead	0.011	Copper	0.08	02CF036 RM 251	P1
127	Lead	0.011	Copper	0.17	02CF036 RM 251	P2
128	Lead	0.002	Copper	0.07	02CF036 RM 251	F01
129	Lead	0.001	Copper	0.07	02CF036 RM 251	F02
130	Lead	0.009	Copper	0.22	01DW037 GYM 1ST FLOOR	P1
131	Lead	0.004	Copper	0.18	01DW037	P2
132	Lead	0.003	Copper	0.08	01DW037 GYM 1ST FLOOR	F01

	G
105	Flush Sample taken 2 minutes after First Flush Sample
106	First Primary draw of 125 milliliters
107	Second Primary draw of 125 milliliters
108	Flush Sample taken 30 Seconds after Second Primary Draw
109	Flush Sample taken 2 minutes after First Flush Sample
110	First Primary draw of 125 milliliters
111	Second Primary draw of 125 milliliters
112	Flush Sample taken 30 Seconds after Second Primary Draw
113	Flush Sample taken 2 minutes after First Flush Sample
114	First Primary draw of 125 milliliters
115	Second Primary draw of 125 milliliters
116	Flush Sample taken 30 Seconds after Second Primary Draw
117	Flush Sample taken 2 minutes after First Flush Sample
118	First Primary draw of 125 milliliters
119	Second Primary draw of 125 milliliters
120	Flush Sample taken 30 Seconds after Second Primary Draw
121	Flush Sample taken 2 minutes after First Flush Sample
122	First Primary draw of 125 milliliters
123	Second Primary draw of 125 milliliters
124	Flush Sample taken 30 Seconds after Second Primary Draw
125	Flush Sample taken 2 minutes after First Flush Sample
126	First Primary draw of 125 milliliters
127	Second Primary draw of 125 milliliters
128	Flush Sample taken 30 Seconds after Second Primary Draw
129	Flush Sample taken 2 minutes after First Flush Sample
130	First Primary draw of 125 milliliters
131	Second Primary draw of 125 milliliters
132	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
133	Lead	0.000	Copper	0.00	01DW037 GYM 1ST FLOOR	F02
134	Lead	0.011	Copper	0.24	02DW033 RM 252	P1
135	Lead	0.016	Copper	0.20	02DW033 RM 252	P2
136	Lead	0.002	Copper	0.09	02DW033 RM 252	F01
137	Lead	0.002	Copper	0.09	02DW033 RM 252	F02
138	Lead	0.085	Copper	0.09	02DW040 RM 260	P1
139	Lead	0.029	Copper	0.06	02DW040 RM 260	P2
140	Lead	0.018	Copper	0.05	02DW040 RM 260	F01
141	Lead	0.015	Copper	0.00	02DW040 RM 260	F02
142	Lead	0.025	Copper	0.22	02DW031 RM 253	P1
143	Lead	0.041	Copper	0.17	02DW031 RM 253	P2
144	Lead	0.002	Copper	0.00	02DW031 RM 253	F01
145	Lead	0.002	Copper	0.00	02DW031 RM 253	F02
146	Lead	0.001	Copper	0.00	01DW038 GYM 1ST FLOOR	P1
147	Lead	0.000	Copper	0.00	01DW038 GYM 1ST FLOOR	P2
148	Lead	0.000	Copper	0.00	01DW038 1ST FLOOR GYM	F01
149	Lead	0.000	Copper	0.00	01DW038 GYM 1ST FLOOR	F02
150	Lead	0.023	Copper	0.14	02DW029 RM 254	P1
151	Lead	0.052	Copper	0.15	02DW029 RM 254	P2
152	Lead	0.002	Copper	0.00	02DW029	F01
153	Lead	0.001	Copper	0.00	02DW029	F02
154	Lead	0.009	Copper	0.10	01CF018 RM 155	P1
155	Lead	0.016	Copper	0.10	01CF018 RM 155	P2
156	Lead	0.003	Copper	0.09	01CF018 RM 155	F01
157	Lead	0.003	Copper	0.08	01CF018 RM 155	F02
158	Lead	0.015	Copper	0.05	02CF032	P1
159	Lead	0.020	Copper	0.18	02CF032 RM 253	P2
160	Lead	0.003	Copper	0.00	02CF032 RM 253	F01

	G
133	Flush Sample taken 2 minutes after First Flush Sample
134	First Primary draw of 125 milliliters
135	Second Primary draw of 125 milliliters
136	Flush Sample taken 30 Seconds after Second Primary Draw
137	Flush Sample taken 2 minutes after First Flush Sample
138	First Primary draw of 125 milliliters
139	Second Primary draw of 125 milliliters
140	Flush Sample taken 30 Seconds after Second Primary Draw
141	Flush Sample taken 2 minutes after First Flush Sample
142	First Primary draw of 125 milliliters
143	Second Primary draw of 125 milliliters
144	Flush Sample taken 30 Seconds after Second Primary Draw
145	Flush Sample taken 2 minutes after First Flush Sample
146	First Primary draw of 125 milliliters
147	Second Primary draw of 125 milliliters
148	Flush Sample taken 30 Seconds after Second Primary Draw
149	Flush Sample taken 2 minutes after First Flush Sample
150	First Primary draw of 125 milliliters
151	Second Primary draw of 125 milliliters
152	Flush Sample taken 30 Seconds after Second Primary Draw
153	Flush Sample taken 2 minutes after First Flush Sample
154	First Primary draw of 125 milliliters
155	Second Primary draw of 125 milliliters
156	Flush Sample taken 30 Seconds after Second Primary Draw
157	Flush Sample taken 2 minutes after First Flush Sample
158	First Primary draw of 125 milliliters
159	Second Primary draw of 125 milliliters
160	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
161	Lead	0.002	Copper	0.00	02CF032 RM 253	F02
162	Lead	0.074	Copper	0.10	02CF026 RM 259	P1
163	Lead	0.015	Copper	0.15	02CF026 RM 259	P2
164	Lead	0.002	Copper	0.08	02CF026 RM 259	F01
165	Lead	0.002	Copper	0.07	02CF026 RM 259	F02
166	Lead	0.013	Copper	0.13	01DW017 RM 155	P1
167	Lead	0.005	Copper	0.09	01DW017 RM 155	P2
168	Lead	0.002	Copper	0.08	01DW017 RM 155	F01
169	Lead	0.003	Copper	0.09	01DW017 RM 155	F02
170	Lead	0.011	Copper	0.28	01KC049 RM 110	P1
171	Lead	0.021	Copper	0.15	01KC049 RM 110	P2
172	Lead	0.004	Copper	0.09	01KC049 RM 110	F01
173	Lead	0.010	Copper	0.11	01KC049 RM 110	F02
174	Lead	0.048	Copper	0.17	01KC044 PRINCIPAL LAV	P1
175	Lead	0.030	Copper	0.14	01KC044 PRINCIPAL LAV	P2
176	Lead	0.003	Copper	0.07	01KC044 PRINCIPAL LAV	F01
177	Lead	0.002	Copper	0.07	01KC044 PRINCIPAL LAV	F02
178	Lead	0.022	Copper	0.26	01CF047 RM 111	P1
179	Lead	0.003	Copper	0.31	01CF047 RM 111	P2
180	Lead	0.002	Copper	0.17	01CF047 RM 111	F01
181	Lead	0.000	Copper	0.09	01CF047 RM 111	F02
182	Lead	0.021	Copper	0.15	01KC048 RM 110	P1
183	Lead	0.023	Copper	0.15	01KC048 RM 110	P2
184	Lead	0.005	Copper	0.11	01KC048 RM 110	F01
185	Lead	0.005	Copper	0.09	01KC048 RM 110	F02
186	Lead	0.002	Copper	0.21	01DW010 RM 154	P1
187	Lead	0.001	Copper	0.06	01DW010 RM 154	P2
188	Lead	0.001	Copper	0.05	01DW010 RM 154	F01

	G
161	Flush Sample taken 2 minutes after First Flush Sample
162	First Primary draw of 125 milliliters
163	Second Primary draw of 125 milliliters
164	Flush Sample taken 30 Seconds after Second Primary Draw
165	Flush Sample taken 2 minutes after First Flush Sample
166	First Primary draw of 125 milliliters
167	Second Primary draw of 125 milliliters
168	Flush Sample taken 30 Seconds after Second Primary Draw
169	Flush Sample taken 2 minutes after First Flush Sample
170	First Primary draw of 125 milliliters
171	Second Primary draw of 125 milliliters
172	Flush Sample taken 30 Seconds after Second Primary Draw
173	Flush Sample taken 2 minutes after First Flush Sample
174	First Primary draw of 125 milliliters
175	Second Primary draw of 125 milliliters
176	Flush Sample taken 30 Seconds after Second Primary Draw
177	Flush Sample taken 2 minutes after First Flush Sample
178	First Primary draw of 125 milliliters
179	Second Primary draw of 125 milliliters
180	Flush Sample taken 30 Seconds after Second Primary Draw
181	Flush Sample taken 2 minutes after First Flush Sample
182	First Primary draw of 125 milliliters
183	Second Primary draw of 125 milliliters
184	Flush Sample taken 30 Seconds after Second Primary Draw
185	Flush Sample taken 2 minutes after First Flush Sample
186	First Primary draw of 125 milliliters
187	Second Primary draw of 125 milliliters
188	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
189	Lead	0.000	Copper	0.00	01DW010 RM 154	F02
190	Lead	0.012	Copper	0.18	01DW011 RM 153	P1
191	Lead	0.007	Copper	0.08	01DW011 RM 153	P2
192	Lead	0.001	Copper	0.00	01DW011 RM 153	F01
193	Lead	0.000	Copper	0.00	01DW011 RM 153	F02
194	Lead	0.012	Copper	0.16	01WC005 1ST FLR GANG BATHROOM	P1
195	Lead	0.015	Copper	0.19	01WC005 1ST FLR GANG BATHROOM	P2
196	Lead	0.016	Copper	0.18	01WC005 1ST FLR GANG BATHROOM	F01
197	Lead	0.004	Copper	0.10	01WC005 1ST FLR GANG BATHROOM	F02
198	Lead	0.003	Copper	0.30	01WC006 1ST FLR GANG BATHROOMS	P1
199	Lead	0.003	Copper	0.32	01WC006 1ST FLR GANG BATHROOM	P2
200	Lead	0.004	Copper	0.23	01WC006 1ST FLR GANG BATHROOM	F01
201	Lead	0.002	Copper	0.10	01WC006 1ST FLR GANG BATHROOM	F02
202	Lead	0.006	Copper	0.34	02WC027 2ND FLR GANG BATHROOM	P1
203	Lead	0.005	Copper	0.34	02WC027 2ND FLR GANG BATHROOM	P2
204	Lead	0.006	Copper	0.12	02WC027 2ND FLR GANG BATHROOM	F01
205	Lead	0.002	Copper	0.08	02WC027 2ND FLR GANG BATHROOM	F02
206	Lead	0.004	Copper	0.09	02CF034 RM 252	P1
207	Lead	0.010	Copper	0.16	02CF034 RM 252	P2
208	Lead	0.003	Copper	0.09	02CF034 RM 252	F01
209	Lead	0.002	Copper	0.07	02CF034 RM 252	F02
210	Lead	0.007	Copper	0.28	02DW025 RM 259	P1
211	Lead	0.006	Copper	0.13	02DW025 RM 259	P2
212	Lead	0.001	Copper	0.08	02DW025 RM 259	F01
213	Lead	0.001	Copper	0.08	02DW025 RM 259	F02
214	Lead	0.007	Copper	0.20	02DW023 RM 256	P1
215	Lead	0.008	Copper	0.14	02DW023 RM 256	P2
216	Lead	0.002	Copper	0.08	02DW023 RM 256	F01

	G
189	Flush Sample taken 2 minutes after First Flush Sample
190	First Primary draw of 125 milliliters
191	Second Primary draw of 125 milliliters
192	Flush Sample taken 30 Seconds after Second Primary Draw
193	Flush Sample taken 2 minutes after First Flush Sample
194	First Primary draw of 125 milliliters
195	Second Primary draw of 125 milliliters
196	Flush Sample taken 30 Seconds after Second Primary Draw
197	Flush Sample taken 2 minutes after First Flush Sample
198	First Primary draw of 125 milliliters
199	Second Primary draw of 125 milliliters
200	Flush Sample taken 30 Seconds after Second Primary Draw
201	Flush Sample taken 2 minutes after First Flush Sample
202	First Primary draw of 125 milliliters
203	Second Primary draw of 125 milliliters
204	Flush Sample taken 30 Seconds after Second Primary Draw
205	Flush Sample taken 2 minutes after First Flush Sample
206	First Primary draw of 125 milliliters
207	Second Primary draw of 125 milliliters
208	Flush Sample taken 30 Seconds after Second Primary Draw
209	Flush Sample taken 2 minutes after First Flush Sample
210	First Primary draw of 125 milliliters
211	Second Primary draw of 125 milliliters
212	Flush Sample taken 30 Seconds after Second Primary Draw
213	Flush Sample taken 2 minutes after First Flush Sample
214	First Primary draw of 125 milliliters
215	Second Primary draw of 125 milliliters
216	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
217	Lead	0.002	Copper	0.08	02DW023 RM 256	F02
218	Lead	0.003	Copper	0.09	01CF009 RM 154	P1
219	Lead	0.014	Copper	0.23	01CF009 RM 154	P2
220	Lead	0.004	Copper	0.08	01CF009 RM 154	F01
221	Lead	0.001	Copper	0.05	01CF009 RM 154	F02
222	Lead	0.010	Copper	0.31	02DW035 RM 251	P1
223	Lead	0.011	Copper	0.16	02DW035 RM 251	P2
224	Lead	0.002	Copper	0.08	02DW035 RM 251	F01
225	Lead	0.002	Copper	0.07	02DW035 RM 251	F02
226	Lead	0.009	Copper	0.07	02CF024 RM 256	P1
227	Lead	0.012	Copper	0.18	02CF024 RM 256	P2
228	Lead	0.002	Copper	0.08	02CF024 RM 256	F01
229	Lead	0.002	Copper	0.07	02CF024 RM 256	F02
230	Lead	0.005	Copper	0.12	01CF012 RM 153	P1
231	Lead	0.013	Copper	0.14	01CF012 RM 153	P2
232	Lead	0.001	Copper	0.00	01CF012 RM 153	F01
233	Lead	0.001	Copper	0.00	01CF012 RM 153	F02
234	Lead	0.004	Copper	0.18	02DW022 RM 257	P1
235	Lead	0.001	Copper	0.05	02DW022 RM 257	P2
236	Lead	0.000	Copper	0.00	02DW022 RM 257	F01
237	Lead	0.000	Copper	0.00	02DW022 RM 257	F02
238	Lead	0.010	Copper	0.06	02CF019 RM 258	P1
239	Lead	0.024	Copper	0.22	02CF019 RM 258	P2
240	Lead	0.002	Copper	0.05	02CF019 RM 258	F01
241	Lead	0.001	Copper	0.00	02CF019 RM 258	F02
242	Lead	0.006	Copper	0.19	02DW020 RM 258	P1
243	Lead	0.003	Copper	0.06	02DW020 RM 258	P2
244	Lead	0.001	Copper	0.00	02DW020 RM 258	F01

	G
217	Flush Sample taken 2 minutes after First Flush Sample
218	First Primary draw of 125 milliliters
219	Second Primary draw of 125 milliliters
220	Flush Sample taken 30 Seconds after Second Primary Draw
221	Flush Sample taken 2 minutes after First Flush Sample
222	First Primary draw of 125 milliliters
223	Second Primary draw of 125 milliliters
224	Flush Sample taken 30 Seconds after Second Primary Draw
225	Flush Sample taken 2 minutes after First Flush Sample
226	First Primary draw of 125 milliliters
227	Second Primary draw of 125 milliliters
228	Flush Sample taken 30 Seconds after Second Primary Draw
229	Flush Sample taken 2 minutes after First Flush Sample
230	First Primary draw of 125 milliliters
231	Second Primary draw of 125 milliliters
232	Flush Sample taken 30 Seconds after Second Primary Draw
233	Flush Sample taken 2 minutes after First Flush Sample
234	First Primary draw of 125 milliliters
235	Second Primary draw of 125 milliliters
236	Flush Sample taken 30 Seconds after Second Primary Draw
237	Flush Sample taken 2 minutes after First Flush Sample
238	First Primary draw of 125 milliliters
239	Second Primary draw of 125 milliliters
240	Flush Sample taken 30 Seconds after Second Primary Draw
241	Flush Sample taken 2 minutes after First Flush Sample
242	First Primary draw of 125 milliliters
243	Second Primary draw of 125 milliliters
244	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F
245	Lead	0.001	Copper	0.00	02DW020 RM 258	F02
246	Lead	0.008	Copper	0.13	01CF003 RM 160	P1
247	Lead	0.026	Copper	0.18	01CF003 RM 160	P2
248	Lead	0.001	Copper	0.06	01CF003 RM 160	F01
249	Lead	0.001	Copper	0.05	01CF003 RM 160	F02
250	Lead	0.006	Copper	0.16	01DW002 RM 159	P1
251	Lead	0.000	Copper	0.05	01DW002 RM 159	P2
252	Lead	0.000	Copper	0.00	01DW002 RM 159	F01
253	Lead	0.000	Copper	0.00	01DW002 RM 159	F02
254	Lead	0.011	Copper	0.06	01CF008 RM 156	P1
255	Lead	0.035	Copper	0.12	01CF008 RM 156	P2
256	Lead	0.004	Copper	0.09	01CF008 RM 156	F01
257	Lead	0.002	Copper	0.07	01CF008 RM 156	F02
258	Lead	0.002	Copper	0.33	01DW004 RM 160	P1
259	Lead	0.000	Copper	0.09	01DW004 RM 160	P2
260	Lead	0.000	Copper	0.05	01DW004 RM 160	F01
261	Lead	0.000	Copper	0.05	01DW004 RM 160	F02
262	Lead	0.017	Copper	0.08	02CF021 RM 257	P1
263	Lead	0.018	Copper	0.22	02CF021 RM 257	P2
264	Lead	0.002	Copper	0.00	02CF021 RM 257	F01
265	Lead	0.001	Copper	0.00	02CF021 RM 257	F02
266	Lead	0.007	Copper	0.08	01CF001 RM 159	P1
267	Lead	0.014	Copper	0.12	01CF001 RM 159	P2
268	Lead	0.002	Copper	0.07	01CF001 RM 159	F01
269	Lead	0.000	Copper	0.00	01CF001 RM 159	F02
270						
271	Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting					
272						

	G
245	Flush Sample taken 2 minutes after First Flush Sample
246	First Primary draw of 125 milliliters
247	Second Primary draw of 125 milliliters
248	Flush Sample taken 30 Seconds after Second Primary Draw
249	Flush Sample taken 2 minutes after First Flush Sample
250	First Primary draw of 125 milliliters
251	Second Primary draw of 125 milliliters
252	Flush Sample taken 30 Seconds after Second Primary Draw
253	Flush Sample taken 2 minutes after First Flush Sample
254	First Primary draw of 125 milliliters
255	Second Primary draw of 125 milliliters
256	Flush Sample taken 30 Seconds after Second Primary Draw
257	Flush Sample taken 2 minutes after First Flush Sample
258	First Primary draw of 125 milliliters
259	Second Primary draw of 125 milliliters
260	Flush Sample taken 30 Seconds after Second Primary Draw
261	Flush Sample taken 2 minutes after First Flush Sample
262	First Primary draw of 125 milliliters
263	Second Primary draw of 125 milliliters
264	Flush Sample taken 30 Seconds after Second Primary Draw
265	Flush Sample taken 2 minutes after First Flush Sample
266	First Primary draw of 125 milliliters
267	Second Primary draw of 125 milliliters
268	Flush Sample taken 30 Seconds after Second Primary Draw
269	Flush Sample taken 2 minutes after First Flush Sample
270	
271	
272	

	A	B	C	D	E	F
273	Results in RED exceed 15 ppb for lead or 1.3 PPM for Copper					
274	1 ppb = 0.001 mg/L					

From: Krisztian, George (DEQ)
Sent: Thursday, November 19, 2015 10:39 AM
To: Shane, Kirby (DEQ); Price, Chris (DEQ); Pieper, Julia (DEQ)
Subject: EBL Sampling Kits
Importance: High

Hi Kirby,

The kits that are being put together for DHHS's EBL (Elevated Blood Level) Investigations should use bottles that have green labels on them. The green labels are referenced in the protocol so we need to make sure the bottles have them so that the samplers are not confused.

Thank you!
George

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

PPI

From: Krisztian, George (DEQ)
Sent: Thursday, November 19, 2015 2:10 PM
To: Pieper, Julia (DEQ);Shane, Kirby (DEQ);Smith, Carol (DEQ)
Subject: Proofing Check for the Central Kitchen and DTM Elementary
Attachments: Central Kitchen and Durrant Tuuri Mott DRAFT DATA.xlsx

Please see the attached spreadsheet and take a look at the yellow cells.

Please note that there are two tabs. Please check both tabs.

Thank you!
George

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

	A	B	C	D	E	F	G
1	SAMPNO	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code
2	LF91944	Lead	0.000	Copper	0.08	KC005	CA1
3	LF91945	Lead	0.000	Copper	0.09	KC005	CA2
4	LF91946	Lead	0.000	Copper	0.09	KC005	CA3
5	LF91947	Lead	0.000	Copper	0.11	KC005	CA4
6	LF91948	Lead	0.000	Copper	0.11	KC005	CA5
7	LF91949	Lead	0.000	Copper	0.09	KC005	CA6
8	LF91950	Lead	0.000	Copper	0.08	KC005	CA7
9	LF91951	Lead	0.000	Copper	0.06	KC005	CA8
10	LF91952	Lead	0.000	Copper	0.06	KC005	CA9
11	LF91953	Lead	0.000	Copper	0.06	KC005	CA10
12	LF91954	Lead	0.000	Copper	0.08	KC009	CB1
13	LF91955	Lead	0.002	Copper	0.09	KC009	CB2
14	LF91956	Lead	0.001	Copper	0.05	KC009	CB3
15	LF91957	Lead	0.000	Copper	0.00	KC009	CB4
16	LF91958	Lead	0.000	Copper	0.00	KC009	CB5
17	LF91959	Lead	0.000	Copper	0.00	KC009	CB6
18	LF91960	Lead	0.000	Copper	0.00	KC009	CB7
19	LF91961	Lead	0.000	Copper	0.00	KC009	CB8
20	LF91962	Lead	0.000	Copper	0.00	KC009	CB9
21	LF91963	Lead	0.000	Copper	0.00	KC009	CB10
22	LF91964	Lead	0.121	Copper	0.53	KC003	P1
23	LF91965	Lead	0.012	Copper	0.52	KC003	P2
24	LF91966	Lead	0.001	Copper	0.31	KC003	F01
25	LF91967	Lead	0.000	Copper	0.20	KC003	F02
26	LF91968	Lead	0.004	Copper	0.26	KC001	P1
27	LF91969	Lead	0.005	Copper	0.18	KC001	P2
28	LF91970	Lead	0.002	Copper	0.09	KC001	F01
29	LF91971	Lead	0.001	Copper	0.07	KC001	F02
30	LF91972	Lead	0.014	Copper	0.31	KC006	P1
31	LF91973	Lead	0.005	Copper	0.39	KC006	P2
32	LF91974	Lead	0.005	Copper	0.24	KC006	F01
33	LF91975	Lead	0.001	Copper	0.09	KC006	F02
34	LF91976	Lead	0.006	Copper	0.11	KC004	P1
35	LF91977	Lead	0.002	Copper	0.16	KC004	P2
36	LF91978	Lead	0.000	Copper	0.22	KC004	F01
37	LF91979	Lead	0.000	Copper	0.13	KC004	F02
38	LF91980	Lead	0.003	Copper	0.29	KC005	P1
39	LF91981	Lead	0.001	Copper	0.22	KC005	P2
40	LF91982	Lead	0.000	Copper	0.12	KC005	F01
41	LF91983	Lead	0.000	Copper	0.06	KC005	F02
42	LF91984	Lead	0.004	Copper	0.20	KC009	P1

	A	B	C	D	E	F	G
43	LF91985	Lead	0.002	Copper	0.35	KC009	P2
44	LF91986	Lead	0.001	Copper	0.13	KC009	F01
45	LF91987	Lead	0.000	Copper	0.00	KC009	F02
46	LF91988	Lead	0.067	Copper	0.89	DW002	P1
47	LF91989	Lead	0.020	Copper	0.46	DW002	P2
48	LF91990	Lead	0.024	Copper	0.71	DW002	F01
49	LF91991	Lead	0.008	Copper	0.18	DW002	F02
50	LF91992	Lead	0.017	Copper	0.00	KC007	P1
51	LF91993	Lead	0.025	Copper	0.06	KC007	P2
52	LF91994	Lead	0.002	Copper	0.00	KC007	F01
53	LF91995	Lead	0.000	Copper	0.00	KC007	F02
54	LF91996	Lead	0.006	Copper	0.09	KC008	P1
55	LF91997	Lead	0.005	Copper	0.19	KC008	P2
56	LF91998	Lead	0.000	Copper	0.00	KC008	F01
57	LF91999	Lead	0.000	Copper	0.00	KC008	F02

	A	B	C	D	E	F	G	H	I
1	SAMPNO	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code		
2	LF92000	Lead	0.007	Copper	0.29	01CF006 RM47	CA1		
3	LF92001	Lead	0.009	Copper	0.29	01CF006 RM47	CA2		
4	LF92002	Lead	0.005	Copper	0.28	01CF006 RM47	CA3		
5	LF92003	Lead	0.005	Copper	0.27	01CF006 RM47	CA4		
6	LF92004	Lead	0.003	Copper	0.28	01CF006 RM47	CA5		
7	LF92005	Lead	0.003	Copper	0.27	01CF006 RM47	CA6		
8	LF92006	Lead	0.003	Copper	0.28	01CF006	CA7		
9	LF92007	Lead	0.003	Copper	0.27	01CF006	CA8		
10	LF92008	Lead	0.003	Copper	0.27	01CF006	CA9		
11	LF92009	Lead	0.003	Copper	0.27	01CF006	CA10		
12	LF92010	Lead	0.013	Copper	1.12	01CF021 INSTRUCTIONAL MATERIALS	CB-1		
13	LF92011	Lead	0.004	Copper	0.25	01CF021 INSTRUCTIONAL MATERIALS	CB-2		
14	LF92012	Lead	0.002	Copper	0.19	01CF021 INSTRUCTIONAL MATERIALS	CB-3		
15	LF92013	Lead	0.002	Copper	0.21	01CF021 INSTRUCTIONAL MATERIALS	CB-4		
16	LF92014	Lead	0.002	Copper	0.14	01CF021 INSTRUCTIONAL MATERIALS	CB-5		
17	LF92015	Lead	0.002	Copper	0.08	01CF021 INSTRUCTIONAL MATERIALS	CB-6		
18	LF92016	Lead	0.001	Copper	0.06	01CF021 INSTRUCTIONAL MATERIALS	CB-7		
19	LF92017	Lead	0.000	Copper	0.05	01CF021 INSTRUCTIONAL MATERIALS	CB-8		
20	LF92018	Lead	0.000	Copper	0.00	01CF021 INSTRUCTIONAL MATERIALS	CB-9		
21	LF92019	Lead	0.001	Copper	0.00	01CF021 INSTRUCTIONAL MATERIALS	CB-10		
22	LF92020	Lead	0.000	Copper	0.43	BCF048 RM 7	CC-1		
23	LF92021	Lead	0.000	Copper	0.40	BCF048 RM7	CC2		
24	LF92022	Lead	0.000	Copper	0.41	BCF048 RM7	CC3		
25	LF92023	Lead	0.000	Copper	0.40	BCF048 RM7	CC4		
26	LF92024	Lead	0.000	Copper	0.37	BCF048 RM7	CC5		
27	LF92025	Lead	0.000	Copper	0.35	BCF048 RM7	CC6		
28	LF92026	Lead	0.000	Copper	0.32	BCF048 RM7	CC7		
29	LF92027	Lead	0.001	Copper	0.30	BCF048 RM7	CC8		
30	LF92028	Lead	0.001	Copper	0.27	BCF048 RM7	CC9		
31	LF92029	Lead	0.001	Copper	0.23	BCF048 RM7	C10		
32	LF92030	Lead	0.000	Copper	0.06	01KC041 - RM 53	CD1		
33	LF92031	Lead	0.000	Copper	0.06	01KC041 - RM 53	CD2		
34	LF92032	Lead	0.000	Copper	0.05	01KC041 - RM 53	CD3		
35	LF92033	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD4		
36	LF92034	Lead	0.000	Copper	0.00	01KC041 - RM53	CD5		
37	LF92035	Lead	0.000	Copper	0.00	01KC041 - RM53	CD6		
38	LF92036	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD7		
39	LF92037	Lead	0.000	Copper	0.00	01KC041 - RM53	CD8		
40	LF92038	Lead	0.000	Copper	0.00	01KC041 - RM53	CD9		
41	LF92039	Lead	0.000	Copper	0.00	01KC041 - RM53	CD10		
42	LF92040	Lead	0.004	Copper	0.42	01CF030 - RM59	CE1		

	A	B	C	D	E	F	G	H	I
43	LF92041	Lead	0.003	Copper	0.30	01CF030 - RM59	CE2		
44	LF92042	Lead	0.002	Copper	0.19	01CF030 - RM 59	CE3		
45	LF92043	Lead	0.003	Copper	0.16	01CF030 - RM59	CE4		
46	LF92044	Lead	0.003	Copper	0.12	01CF030- RM59	CE5		
47	LF92045	Lead	0.002	Copper	0.08	01CF030 - RM 59	CE6		
48	LF92046	Lead	0.001	Copper	0.06	01CF030 - RM 59	CE7		
49	LF92047	Lead	0.000	Copper	0.06	01CF030 - RM 59	CE8		
50	LF92048	Lead	0.000	Copper	0.05	01CF030 - RM 59	CE9		
51	LF92049	Lead	0.000	Copper	0.05	01CF030 - RM59	CE10		
52	LF92050	Lead	0.006	Copper	0.12	01DW014 RM 36	P1		
53	LF92051	Lead	0.001	Copper	0.07	01DW014 RM 36	P2		
54	LF92052	Lead	0.000	Copper	0.06	01DW014 RM 36	F01		
55	LF92053	Lead	0.000	Copper	0.06	01DW014 RM 36	F02		
56	LF92054	Lead	0.013	Copper	0.42	01CF013 RM 36	P1		
57	LF92055	Lead	0.007	Copper	0.36	01CF013 RM 36	P2		
58	LF92056	Lead	0.002	Copper	0.06	01CF013 RM 36	F01		
59	LF92057	Lead	0.000	Copper	0.07	01CF013 RM 36	F02		
60	LF92058	Lead	0.006	Copper	0.14	01DW017 RM 34	P1		
61	LF92059	Lead	0.004	Copper	0.15	01DW017 RM 34	P2		
62	LF92060	Lead	0.000	Copper	0.08	01DW017 RM 34	F01		
63	LF92061	Lead	0.001	Copper	0.06	01DW017 RM 34	F02		
64	LF92062	Lead	0.003	Copper	0.82	01KC015 OFFICE	P1		
65	LF92063	Lead	0.002	Copper	0.81	01KC015 OFFICE	P2		
66	LF92064	Lead	0.001	Copper	0.71	01KC015 OFFICE	F01		
67	LF92065	Lead	0.002	Copper	0.60	01KC015 OFFICE	F02		
68	LF92066	Lead	0.003	Copper	0.19	01CF016 RM 34	P1		
69	LF92067	Lead	0.002	Copper	0.08	01CF016 RM 34	P2		
70	LF92068	Lead	0.002	Copper	0.07	01CF016 RM 34	F01		
71	LF92069	Lead	0.000	Copper	0.00	01CF016 RM 34	F02		
72	LF92070	Lead	0.011	Copper	0.31	01CF021 ISTR MAT CTR	P1		
73	LF92071	Lead	0.022	Copper	0.33	01CF021 ISTR MAT CTR	P2		
74	LF92072	Lead	0.008	Copper	0.49	01CF021 ISTR MAT CTR	F01		
75	LF92073	Lead	0.002	Copper	0.18	01CF021 INSTR MAT CTR	F02		
76	LF92074	Lead	0.005	Copper	0.24	01KC041 RM 53	P1		
77	LF92075	Lead	0.004	Copper	0.17	01KC041 RM53	P2		
78	LF92076	Lead	0.003	Copper	0.09	01KC041 RM 53	F01		
79	LF92077	Lead	0.000	Copper	0.00	01KC041 RM 53	F02		
80	LF92078	Lead	0.032	Copper	0.70	BDW043 HALL BET RM 2 & STAIR	P1		
81	LF92079	Lead	0.004	Copper	0.23	BDW043 HALL BET RM 2 & STAIR	P2		
82	LF92080	Lead	0.006	Copper	0.00	BDW043 HALL BET RM 2 & STAIR	F01		
83	LF92081	Lead	0.026	Copper	0.00	BDW043 HALL BET RM 2 & STAIR	F02		
84	LF92082	Lead	0.049	Copper	0.31	01DW038 HALLWAY BETWEEN 78 & 79	P1		

	A	B	C	D	E	F	G	H	I
85	LF92083	Lead	0.008	Copper	0.34	01DW038 HALLWAY BETWEEN 78 & 79	P2		
86	LF92084	Lead	0.004	Copper	0.13	01DW038 HALLWAY BETWEEN 78 & 79	F01		
87	LF92085	Lead	0.002	Copper	0.14	01DW038 HALLWAY BETWEEN 78 & 79	F02		
88	LF92086	Lead	0.012	Copper	0.34	01KC040 RM 53	P1		
89	LF92087	Lead	0.003	Copper	0.38	01KC040 RM 53	P2		
90	LF92088	Lead	0.004	Copper	0.31	01KC040 RM 53	F01		
91	LF92089	Lead	0.004	Copper	0.17	01KC040 RM 53	F02		
92	LF92090	Lead	0.005	Copper	0.14	02WC053 ACROSS RM 25	P1		
93	LF92091	Lead	0.005	Copper	0.12	02WC053 ACROSS RM 25	P2		
94	LF92092	Lead	0.008	Copper	0.00	02WC053 ACROSS RM 25	F01		
95	LF92093	Lead	0.002	Copper	0.00	02WC053 ACROSS RM 25	F02		
96	LF92094	Lead	0.059	Copper	0.62	BDW048A RM 7	P1		
97	LF92095	Lead	0.023	Copper	0.74	BDW048A RM 7	P2		
98	LF92096	Lead	0.000	Copper	0.44	BDW048A RM 7	F01		
99	LF92097	Lead	0.000	Copper	0.42	BDW048A RM 7	F02		
100	LF92098	Lead	0.005	Copper	0.47	BCF048 RM 7	P1		
101	LF92099	Lead	0.001	Copper	0.45	BCF048 RM 7	P2		
102	LF92100	Lead	0.000	Copper	0.43	BCF048 RM 7	F01		
103	LF92101	Lead	0.000	Copper	0.35	BCF048 RM 7	F02		
104	LF92102	Lead	0.215	Copper	14.20	01KC049 RM 13	P1		
105	LF92103	Lead	0.052	Copper	2.20	01KC049 RM 13	P2		
106	LF92104	Lead	0.015	Copper	0.11	01KC049 RM 13	F01		
107	LF92105	Lead	0.002	Copper	0.00	01KC049 RM 13	F02		
108	LF92106	Lead	0.024	Copper	0.51	BCF045 RM 3	P1		
109	LF92107	Lead	0.040	Copper	0.33	BCF045 RM 3	P2		
110	LF92108	Lead	0.006	Copper	0.00	BCF045 RM 3	F01		
111	LF92109	Lead	0.003	Copper	0.00	BCF045 RM 3	F02		
112	LF92110	Lead	0.014	Copper	0.14	BCF042 RM 2	P1		
113	LF92111	Lead	0.015	Copper	0.00	BCF042 RM 2	P2		
114	LF92112	Lead	0.004	Copper	0.00	BCF042 RM 2	F01		
115	LF92113	Lead	0.013	Copper	0.00	BCF042 RM 2	F02		
116	LF92114	Lead	0.072	Copper	0.39	01DW020 RM 32	P1		
117	LF92115	Lead	0.008	Copper	0.06	01DW020 RM 32	P2		
118	LF92116	Lead	0.001	Copper	0.00	01DW020 RM 32	F01		
119	LF92117	Lead	0.001	Copper	0.00	01DW020 RM 32	F02		
120	LF92118	Lead	0.074	Copper	0.49	01CF010 RM 39	P1		
121	LF92119	Lead	0.015	Copper	0.39	0CF010 RM 39	P2		
122	LF92120	Lead	0.018	Copper	0.40	01CF010 RM 39	F01		
123	LF92121	Lead	0.004	Copper	0.29	0CF010 RM 39	F02		
124	LF92122	Lead	0.007	Copper	0.13	01DW018 HALL RIGHT OF 34	P1		
125	LF92123	Lead	0.003	Copper	0.22	01DW018 HALL RIGHT OF 34	P2		
126	LF92124	Lead	0.003	Copper	0.10	0DW018 HALL RIGHT OF 34	F01		

	A	B	C	D	E	F	G	H	I
127	LF92125	Lead	0.003	Copper	0.06	01DW018 HALL RIGHT OF 34	F02		
128	LF92126	Lead	0.003	Copper	0.38	01CF019 RM 32	P1		
129	LF92127	Lead	0.008	Copper	0.18	01CRF019 RM 32	P2		
130	LF92128	Lead	0.000	Copper	0.00	01CF019 RM 32	F01		
131	LF92129	Lead	0.000	Copper	0.00	01CF019 RM 32	F02		
132	LF92130	Lead	0.002	Copper	0.18	01CF011 RM 38	P1		
133	LF92131	Lead	0.009	Copper	0.21	01CF011 RM 38	P2		
134	LF92132	Lead	0.002	Copper	0.09	01CF011 RM 38	F01		
135	LF92133	Lead	0.001	Copper	0.07	01CF011 RM 38	F02		
136	LF92134	Lead	0.020	Copper	0.25	01DW012 RM 38	P1		
137	LF92135	Lead	0.003	Copper	0.09	01DW012 RM 38	P2		
138	LF92136	Lead	0.002	Copper	0.07	01DW012 RM 38	F01		
139	LF92137	Lead	0.001	Copper	0.07	01DW012 RM 38	F02		
140	LF92138	Lead	0.003	Copper	0.21	01KC008 LOUNGE	P1		
141	LF92139	Lead	0.005	Copper	0.13	01KC008 LOUNGE	P2		
142	LF92140	Lead	0.000	Copper	0.10	01KC008 LOUNGE	F01		
143	LF92255	Lead	0.004	Copper	0.10	01KC008 LOUNGE	F02		
144	LF92256	Lead	0.000	Copper	0.16	01DW003 HALL BTW POOL GYM	P1		
145	LF92257	Lead	0.000	Copper	0.07	01DW003 HALL BTW POOL GYM	P2		
146	LF92258	Lead	0.039	Copper	0.07	01DW003 HALL BTW POOL GYM	F01		
147	LF92259	Lead	0.029	Copper	0.06	01DW003 HALL BTW POOL GYM	F02		
148	LF92260	Lead	0.038	Copper	0.21	01DW002 HALL BTW POOL GYM	P1		
149	LF92261	Lead	0.009	Copper	0.20	01DW002 HALL BTW POOL GYM	P2		
150	LF92262	Lead	0.007	Copper	0.09	01DW002 HALL BTW POOL GYM	F01		
151	LF92263	Lead	0.004	Copper	0.06	01DW002 HALL BTW POOL GYM	F02		
152	LF92264	Lead	0.005	Copper	0.22	01DW005 LEFT OF DHHS	P1		
153	LF92265	Lead	0.000	Copper	0.28	01DW005 LEFT OF DHHS	P2		
154	LF92152	Lead	0.003	Copper	0.31	01DW005 LEFT OF DHHS	F01		
155	LF92153	Lead	0.002	Copper	0.27	01DW005 LEFT OF DHHS	F02		
156	LF92154	Lead	0.005	Copper	0.06	01WC051 RIGHT OF RM 19	P1		
157	LF92155	Lead	0.006	Copper	0.07	01WC051 RIGHT OF RM 19	P2		
158	LF92156	Lead	0.010	Copper	0.05	01WC051 RIGHT OF RM 19	F01		
159	LF92157	Lead	0.004	Copper	0.00	01WC051 RIGHT OF RM 19	F02		
160	LF92158	Lead	0.004	Copper	0.49	01CF033- RM 58	P1		
161	LF92159	Lead	0.004	Copper	0.28	01CF033- RM 58	P2		
162	LF92160	Lead	0.002	Copper	0.19	01CF033- RM 58	F01		
163	LF92161	Lead	0.001	Copper	0.14	01CF033- RM 58	F02		
164	LF92162	Lead	2.856	Copper	23.60	01DW026- RM 62	P1		
165	LF92163	Lead	2.204	Copper	16.90	01DW026- RM 62	P2		
166	LF92164	Lead	0.219	Copper	2.71	01DW026- RM 62	F01		
167	LF92165	Lead	0.027	Copper	0.44	01DW026- RM 62	F02		
168	LF92166	Lead	0.115	Copper	0.87	01DW022- ROOM 69 HALLWAY	P1		

	A	B	C	D	E	F	G	H	I
169	LF92167	Lead	0.058	Copper	0.74	01DW022 ROOM 69 HALLWAY	P2		
170	LF92168	Lead	0.008	Copper	0.18	01DW022 ROOM 69 HALLWAY	F01		
171	LF92169	Lead	0.001	Copper	0.12	01DW022 ROOM 69 HALLWAY	F02		
172	LF92170	Lead	0.027	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	P1		
173	LF92171	Lead	0.018	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	P2		
174	LF92172	Lead	0.023	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	F01		
175	LF92173	Lead	0.014	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	F02		
176	LF92174	Lead	0.608	Copper	4.08	01DW032- RM 75	P1		
177	LF92175	Lead	0.375	Copper	3.60	01DW032- RM 75	P2		
178	LF92176	Lead	0.045	Copper	0.33	01DW032- RM 75	F01		
179	LF92177	Lead	0.005	Copper	0.06	01DW032- RM 75	F02		
180	LF92178	Lead	0.004	Copper	0.57	01CF027- RM 62	P1		
181	LF92179	Lead	0.004	Copper	1.33	01CF027- RM 62	P2		
182	LF92180	Lead	0.003	Copper	0.36	01CF027- RM 62	F01		
183	LF92181	Lead	0.000	Copper	0.11	01CF027- RM 62	F02		
184	LF92182	Lead	0.025	Copper	0.35	01CF024 RM 70	P1		
185	LF92183	Lead	0.021	Copper	0.39	01CF024 RM 70	P2		
186	LF92184	Lead	0.008	Copper	0.35	01CF024 RM 70	F01		
187	LF92185	Lead	0.002	Copper	0.16	01CF024 RM 70	F02		
188	LF92186	Lead	0.004	Copper	0.00	02WC052 ACROSS RM 24	P1		
189	LF92187	Lead	0.003	Copper	0.00	02WC052 ACROSS F RM 24	P2		
190	LF92188	Lead	0.005	Copper	0.00	02WC052 ACROSS F RM 24	F01		
191	LF92189	Lead	0.003	Copper	0.00	02WC052 ACROSS F RM 24	F02		
192	LF92190	Lead	0.009	Copper	0.72	01CF031- RM 75	P1		
193	LF92191	Lead	0.007	Copper	0.41	01CF031- RM 75	P2		
194	LF92192	Lead	0.001	Copper	0.18	01CF031- RM 75	F01		
195	LF92193	Lead	0.000	Copper	0.09	01CF031- RM 75	F02		
196	LF92194	Lead	0.015	Copper	0.38	01CF028- RM 72	P1		
197	LF92195	Lead	0.017	Copper	0.48	01CF028- RM 72	P2		
198	LF92196	Lead	0.005	Copper	0.39	01CF028- RM 72	F01		
199	LF92197	Lead	0.000	Copper	0.07	01CF028- RM 72	F02		
200	LF92198	Lead	0.009	Copper	0.38	01CF023- RM 64	P1		
201	LF92199	Lead	0.013	Copper	1.29	01CF023- RM 64	P2		
202	LF92200	Lead	0.008	Copper	0.70	01CF023- RM 64	F01		
203	LF92201	Lead	0.002	Copper	0.17	01CF023- RM 64	F02		
204	LF92202	Lead	0.018	Copper	0.59	01CF035- RM 77	P1		
205	LF92203	Lead	0.007	Copper	0.21	01CF035- RM 77	P2		
206	LF92204	Lead	0.001	Copper	0.00	01CF035- RM 77	F01		
207	LF92205	Lead	0.000	Copper	0.00	01CF035- RM 77	F02		
208	LF92206	Lead	0.010	Copper	0.52	01CF029- RM 61	P1		
209	LF92207	Lead	0.008	Copper	1.34	01CF029- RM 61	P2		
210	LF92208	Lead	0.010	Copper	0.51	01CF029- RM 61	F01		

	A	B	C	D	E	F	G	H	I
211	LF92209	Lead	0.001	Copper	0.08	01CF029- RM 61	F02		
212	LF92210	Lead	0.007	Copper	0.75	01CF030- RM 59	P1		
213	LF92211	Lead	0.005	Copper	2.17	01CF030- RM 59	P2		
214	LF92212	Lead	0.008	Copper	0.64	01CF030- RM 59	F01		
215	LF92213	Lead	0.002	Copper	0.08	01CF030- RM 59	F02		
216	LF92214	Lead	0.020	Copper	0.26	01DW025- RM 70	P1		
217	LF92215	Lead	0.016	Copper	0.29	01DW025- RM 70	P2		
218	LF92216	Lead	0.004	Copper	0.17	01DW025- RM 70	F01		
219	LF92217	Lead	0.003	Copper	0.13	01DW025- RM 70	F02		
220	LF92218	Lead	0.048	Copper	0.46	01DW036- RM 77	P1		
221	LF92219	Lead	0.009	Copper	0.22	01DW036- RM 77	P2		
222	LF92220	Lead	0.004	Copper	0.12	01DW036- RM 77	F01		
223	LF92221	Lead	0.002	Copper	0.00		F02		
224	LF92222	Lead	0.044	Copper	0.35	01DW007 RM 47	P1		
225	LF92223	Lead	0.011	Copper	0.30	01DW007 RM 47	P2		
226	LF92224	Lead	0.012	Copper	0.36	01DW007 RM 47	F01		
227	LF92225	Lead	0.005	Copper	0.28	01DW007 RM 47	F02		
228	LF92226	Lead	0.003	Copper	0.70	01DW001 POOL AREA	P1		
229	LF92227	Lead	0.002	Copper	0.74	01DW001 POOL AREA	P2		
230	LF92228	Lead	0.004	Copper	0.35	01DW001 POOL AREA	F01		
231	LF92229	Lead	0.000	Copper	0.16	01DW001 POOL AREA	F02		
232	LF92230	Lead	0.112	Copper	0.28	01CF006 RM 47	P1		
233	LF92231	Lead	0.023	Copper	0.21	01CF006 RM 47	F02		
234	LF92232	Lead	0.010	Copper	0.31	01CF006 RM 47	F01		
235	LF92233	Lead	0.002	Copper	0.28	01CF006 RM 47	P2		
236	LF92234	Lead	0.020	Copper	0.31	01CF039- RM 79	P1		
237	LF92235	Lead	0.016	Copper	0.27	01CF039- RM 79	P2		
238	LF92236	Lead	0.000	Copper	0.06	01CF039- RM 79	F01		
239	LF92237	Lead	0.000	Copper	0.00	01CF039- RM 79	F02		
240	LF92238	Lead	0.014	Copper	0.00	01DW050 ACROSS FROM RM 13	P1		
241	LF92239	Lead	0.004	Copper	0.00	01DW050 ACROSS FROM RM 13	P2		
242	LF92240	Lead	0.009	Copper	0.00	01DW050 ACROSS FROM RM 13	F01		
243	LF92241	Lead	0.004	Copper	0.00	01DW050 ACROSS FROM RM 13	F02		
244	LF92242	Lead	0.032	Copper	0.88	01CF037 RM 78	P1		
245	LF92243	Lead	0.042	Copper	0.39	01CF037 RM 78	P2		
246	LF92244	Lead	0.003	Copper	0.20	01CF037 RM 78	F01		
247	LF92245	Lead	0.000	Copper	0.06	01CF037 RM 78	F02		
248	LF92246	Lead	0.016	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	P1		
249	LF92247	Lead	0.015	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	P2		
250	LF92248	Lead	0.010	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	F01		
251	LF92249	Lead	0.004	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	F02		
252	LF92250	Lead	0.005	Copper	0.27	01CF009 RM 39	P1		

	A	B	C	D	E	F	G	H	I
253	LF92251	Lead	0.003	Copper	0.25	01CF009 RM 39	P2		
254	LF92252	Lead	0.003	Copper	0.15	01CF009 RM 39	F-01		
255	LF92253	Lead	0.002	Copper	0.10	01CF009 RM 39	F-02		
256	LF92254	Lead	0.002	Copper	0.30	01KC004 KITCHEN	P1		
257	LF92255	Lead	0.004	Copper	0.16	01KC004 KITCHEN	P2		
258	LF92256	Lead	0.000	Copper	0.18	01KC004 KITCHEN	F01		
259	LF92257	Lead	0.000	Copper	0.16	01KC004 KITCHEN	F02		
260	LF92258	Lead	0.039	Copper	0.59	BDW044 HALL BET RM 2 & STAIR	P1		
261	LF92259	Lead	0.029	Copper	0.10	BDW044 HALL BET RM 2 & STAIRS	P2		
262	LF92260	Lead	0.038	Copper	0.11	BDW044 HALL BET RM 2 & STAIR	F01		
263	LF92261	Lead	0.009	Copper	0.05	BDW044 HALL BET RM 2 & STAIR	F02		
264	LF92262	Lead	0.007	Copper	0.37	01CF034- RM 76	P1		
265	LF92263	Lead	0.004	Copper	0.27	01CF034- 76	P2		
266	LF92264	Lead	0.005	Copper	0.15	01CF034- RM 76	F01		
267	LF92265	Lead	0.000	Copper	0.06	01CF034- RM 76	F02		

From: Krisztian, George (DEQ)
Sent: Monday, November 23, 2015 10:04 AM
To: Busch, Stephen (DEQ)
Subject: Central Kitchen and Durant Tuuri Mott Elementary Schools
Attachments: Central Kitchen and Durrant Tuuri Mott DRAFT DATA.xlsx

Importance: High

Attached is the requested data.

George

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

PPI

	A	B	C	D	E	F	G
1	SAMPNO	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code
2	LF91944	Lead	0.000	Copper	0.08	KC005	CA1
3	LF91945	Lead	0.000	Copper	0.09	KC005	CA2
4	LF91946	Lead	0.000	Copper	0.09	KC005	CA3
5	LF91947	Lead	0.000	Copper	0.11	KC005	CA4
6	LF91948	Lead	0.000	Copper	0.11	KC005	CA5
7	LF91949	Lead	0.000	Copper	0.09	KC005	CA6
8	LF91950	Lead	0.000	Copper	0.08	KC005	CA7
9	LF91951	Lead	0.000	Copper	0.06	KC005	CA8
10	LF91952	Lead	0.000	Copper	0.06	KC005	CA9
11	LF91953	Lead	0.000	Copper	0.06	KC005	CA10
12	LF91954	Lead	0.000	Copper	0.08	KC009	CB1
13	LF91955	Lead	0.002	Copper	0.09	KC009	CB2
14	LF91956	Lead	0.001	Copper	0.05	KC009	CB3
15	LF91957	Lead	0.000	Copper	0.00	KC009	CB4
16	LF91958	Lead	0.000	Copper	0.00	KC009	CB5
17	LF91959	Lead	0.000	Copper	0.00	KC009	CB6
18	LF91960	Lead	0.000	Copper	0.00	KC009	CB7
19	LF91961	Lead	0.000	Copper	0.00	KC009	CB8
20	LF91962	Lead	0.000	Copper	0.00	KC009	CB9
21	LF91963	Lead	0.000	Copper	0.00	KC009	CB10
22	LF91964	Lead	0.121	Copper	0.53	KC003	P1
23	LF91965	Lead	0.012	Copper	0.52	KC003	P2
24	LF91966	Lead	0.001	Copper	0.31	KC003	F01
25	LF91967	Lead	0.000	Copper	0.20	KC003	F02
26	LF91968	Lead	0.004	Copper	0.26	KC001	P1
27	LF91969	Lead	0.005	Copper	0.18	KC001	P2
28	LF91970	Lead	0.002	Copper	0.09	KC001	F01
29	LF91971	Lead	0.001	Copper	0.07	KC001	F02
30	LF91972	Lead	0.014	Copper	0.31	KC006	P1
31	LF91973	Lead	0.005	Copper	0.39	KC006	P2
32	LF91974	Lead	0.005	Copper	0.24	KC006	F01
33	LF91975	Lead	0.001	Copper	0.09	KC006	F02
34	LF91976	Lead	0.006	Copper	0.11	KC004	P1
35	LF91977	Lead	0.002	Copper	0.16	KC004	P2
36	LF91978	Lead	0.000	Copper	0.22	KC004	F01
37	LF91979	Lead	0.000	Copper	0.13	KC004	F02
38	LF91980	Lead	0.003	Copper	0.29	KC005	P1
39	LF91981	Lead	0.001	Copper	0.22	KC005	P2
40	LF91982	Lead	0.000	Copper	0.12	KC005	F01
41	LF91983	Lead	0.000	Copper	0.06	KC005	F02
42	LF91984	Lead	0.004	Copper	0.20	KC009	P1

	A	B	C	D	E	F	G
43	LF91985	Lead	0.002	Copper	0.35	KC009	P2
44	LF91986	Lead	0.001	Copper	0.13	KC009	F01
45	LF91987	Lead	0.000	Copper	0.00	KC009	F02
46	LF91988	Lead	0.067	Copper	0.89	DW002	P1
47	LF91989	Lead	0.020	Copper	0.46	DW002	P2
48	LF91990	Lead	0.024	Copper	0.71	DW002	F01
49	LF91991	Lead	0.008	Copper	0.18	DW002	F02
50	LF91992	Lead	0.017	Copper	0.00	KC007	P1
51	LF91993	Lead	0.025	Copper	0.06	KC007	P2
52	LF91994	Lead	0.002	Copper	0.00	KC007	F01
53	LF91995	Lead	0.000	Copper	0.00	KC007	F02
54	LF91996	Lead	0.006	Copper	0.09	KC008	P1
55	LF91997	Lead	0.005	Copper	0.19	KC008	P2
56	LF91998	Lead	0.000	Copper	0.00	KC008	F01
57	LF91999	Lead	0.000	Copper	0.00	KC008	F02

	A	B	C	D	E	F	G	H	I
1	SAMPNO	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code		
2	LF92000	Lead	0.007	Copper	0.29	01CF006 RM47	CA1		
3	LF92001	Lead	0.009	Copper	0.29	01CF006 RM47	CA2		
4	LF92002	Lead	0.005	Copper	0.28	01CF006 RM47	CA3		
5	LF92003	Lead	0.005	Copper	0.27	01CF006 RM47	CA4		
6	LF92004	Lead	0.003	Copper	0.28	01CF006 RM47	CA5		
7	LF92005	Lead	0.003	Copper	0.27	01CF006 RM47	CA6		
8	LF92006	Lead	0.003	Copper	0.28	01CF006	CA7		
9	LF92007	Lead	0.003	Copper	0.27	01CF006	CA8		
10	LF92008	Lead	0.003	Copper	0.27	01CF006	CA9		
11	LF92009	Lead	0.003	Copper	0.27	01CF006	CA10		
12	LF92010	Lead	0.013	Copper	1.12	01CF021 INSTRUCTIONAL MATERIALS	CB-1		
13	LF92011	Lead	0.004	Copper	0.25	01CF021 INSTRUCTIONAL MATERIALS	CB-2		
14	LF92012	Lead	0.002	Copper	0.19	01CF021 INSTRUCTIONAL MATERIALS	CB-3		
15	LF92013	Lead	0.002	Copper	0.21	01CF021 INSTRUCTIONAL MATERIALS	CB-4		
16	LF92014	Lead	0.002	Copper	0.14	01CF021 INSTRUCTIONAL MATERIALS	CB-5		
17	LF92015	Lead	0.002	Copper	0.08	01CF021 INSTRUCTIONAL MATERIALS	CB-6		
18	LF92016	Lead	0.001	Copper	0.06	01CF021 INSTRUCTIONAL MATERIALS	CB-7		
19	LF92017	Lead	0.000	Copper	0.05	01CF021 INSTRUCTIONAL MATERIALS	CB-8		
20	LF92018	Lead	0.000	Copper	0.00	01CF021 INSTRUCTIONAL MATERIALS	CB-9		
21	LF92019	Lead	0.001	Copper	0.00	01CF021 INSTRUCTIONAL MATERIALS	CB-10		
22	LF92020	Lead	0.000	Copper	0.43	BCF048 RM 7	CC-1		
23	LF92021	Lead	0.000	Copper	0.40	BCF048 RM7	CC2		
24	LF92022	Lead	0.000	Copper	0.41	BCF048 RM7	CC3		
25	LF92023	Lead	0.000	Copper	0.40	BCF048 RM7	CC4		
26	LF92024	Lead	0.000	Copper	0.37	BCF048 RM7	CC5		
27	LF92025	Lead	0.000	Copper	0.35	BCF048 RM7	CC6		
28	LF92026	Lead	0.000	Copper	0.32	BCF048 RM7	CC7		
29	LF92027	Lead	0.001	Copper	0.30	BCF048 RM7	CC8		
30	LF92028	Lead	0.001	Copper	0.27	BCF048 RM7	CC9		
31	LF92029	Lead	0.001	Copper	0.23	BCF048 RM7	C10		
32	LF92030	Lead	0.000	Copper	0.06	01KC041 - RM 53	CD1		
33	LF92031	Lead	0.000	Copper	0.06	01KC041 - RM 53	CD2		
34	LF92032	Lead	0.000	Copper	0.05	01KC041 - RM 53	CD3		
35	LF92033	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD4		
36	LF92034	Lead	0.000	Copper	0.00	01KC041 - RM53	CD5		
37	LF92035	Lead	0.000	Copper	0.00	01KC041 - RM53	CD6		
38	LF92036	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD7		
39	LF92037	Lead	0.000	Copper	0.00	01KC041 - RM53	CD8		
40	LF92038	Lead	0.000	Copper	0.00	01KC041 - RM53	CD9		
41	LF92039	Lead	0.000	Copper	0.00	01KC041 - RM53	CD10		
42	LF92040	Lead	0.004	Copper	0.42	01CF030 - RM59	CE1		

	A	B	C	D	E	F	G	H	I
43	LF92041	Lead	0.003	Copper	0.30	01CF030 - RM59	CE2		
44	LF92042	Lead	0.002	Copper	0.19	01CF030 - RM 59	CE3		
45	LF92043	Lead	0.003	Copper	0.16	01CF030 - RM59	CE4		
46	LF92044	Lead	0.003	Copper	0.12	01CF030- RM59	CE5		
47	LF92045	Lead	0.002	Copper	0.08	01CF030 - RM 59	CE6		
48	LF92046	Lead	0.001	Copper	0.06	01CF030 - RM 59	CE7		
49	LF92047	Lead	0.000	Copper	0.06	01CF030 - RM 59	CE8		
50	LF92048	Lead	0.000	Copper	0.05	01CF030 - RM 59	CE9		
51	LF92049	Lead	0.000	Copper	0.05	01CF030 - RM59	CE10		
52	LF92050	Lead	0.006	Copper	0.12	01DW014 RM 36	P1		
53	LF92051	Lead	0.001	Copper	0.07	01DW014 RM 36	P2		
54	LF92052	Lead	0.000	Copper	0.06	01DW014 RM 36	F01		
55	LF92053	Lead	0.000	Copper	0.06	01DW014 RM 36	F02		
56	LF92054	Lead	0.013	Copper	0.42	01CF013 RM 36	P1		
57	LF92055	Lead	0.007	Copper	0.36	01CF013 RM 36	P2		
58	LF92056	Lead	0.002	Copper	0.06	01CF013 RM 36	F01		
59	LF92057	Lead	0.000	Copper	0.07	01CF013 RM 36	F02		
60	LF92058	Lead	0.006	Copper	0.14	01DW017 RM 34	P1		
61	LF92059	Lead	0.004	Copper	0.15	01DW017 RM 34	P2		
62	LF92060	Lead	0.000	Copper	0.08	01DW017 RM 34	F01		
63	LF92061	Lead	0.001	Copper	0.06	01DW017 RM 34	F02		
64	LF92062	Lead	0.003	Copper	0.82	01KC015 OFFICE	P1		
65	LF92063	Lead	0.002	Copper	0.81	01KC015 OFFICE	P2		
66	LF92064	Lead	0.001	Copper	0.71	01KC015 OFFICE	F01		
67	LF92065	Lead	0.002	Copper	0.60	01KC015 OFFICE	F02		
68	LF92066	Lead	0.003	Copper	0.19	01CF016 RM 34	P1		
69	LF92067	Lead	0.002	Copper	0.08	01CF016 RM 34	P2		
70	LF92068	Lead	0.002	Copper	0.07	01CF016 RM 34	F01		
71	LF92069	Lead	0.000	Copper	0.00	01CF016 RM 34	F02		
72	LF92070	Lead	0.011	Copper	0.31	01CF021 ISTR MAT CTR	P1		
73	LF92071	Lead	0.022	Copper	0.33	01CF021 ISTR MAT CTR	P2		
74	LF92072	Lead	0.008	Copper	0.49	01CF021 ISTR MAT CTR	F01		
75	LF92073	Lead	0.002	Copper	0.18	01CF021 INSTR MAT CTR	F02		
76	LF92074	Lead	0.005	Copper	0.24	01KC041 RM 53	P1		
77	LF92075	Lead	0.004	Copper	0.17	01KC041 RM53	P2		
78	LF92076	Lead	0.003	Copper	0.09	01KC041 RM 53	F01		
79	LF92077	Lead	0.000	Copper	0.00	01KC041 RM 53	F02		
80	LF92078	Lead	0.032	Copper	0.70	BDW043 HALL BET RM 2 & STAIR	P1		
81	LF92079	Lead	0.004	Copper	0.23	BDW043 HALL BET RM 2 & STAIR	P2		
82	LF92080	Lead	0.006	Copper	0.00	BDW043 HALL BET RM 2 & STAIR	F01		
83	LF92081	Lead	0.026	Copper	0.00	BDW043 HALL BET RM 2 & STAIR	F02		
84	LF92082	Lead	0.049	Copper	0.31	01DW038 HALLWAY BETWEEN 78 & 79	P1		

	A	B	C	D	E	F	G	H	I
85	LF92083	Lead	0.008	Copper	0.34	01DW038 HALLWAY BETWEEN 78 & 79	P2		
86	LF92084	Lead	0.004	Copper	0.13	01DW038 HALLWAY BETWEEN 78 & 79	F01		
87	LF92085	Lead	0.002	Copper	0.14	01DW038 HALLWAY BETWEEN 78 & 79	F02		
88	LF92086	Lead	0.012	Copper	0.34	01KC040 RM 53	P1		
89	LF92087	Lead	0.003	Copper	0.38	01KC040 RM 53	P2		
90	LF92088	Lead	0.004	Copper	0.31	01KC040 RM 53	F01		
91	LF92089	Lead	0.004	Copper	0.17	01KC040 RM 53	F02		
92	LF92090	Lead	0.005	Copper	0.14	02WC053 ACROSS RM 25	P1		
93	LF92091	Lead	0.005	Copper	0.12	02WC053 ACROSS RM 25	P2		
94	LF92092	Lead	0.008	Copper	0.00	02WC053 ACROSS RM 25	F01		
95	LF92093	Lead	0.002	Copper	0.00	02WC053 ACROSS RM 25	F02		
96	LF92094	Lead	0.059	Copper	0.62	BDW048A RM 7	P1		
97	LF92095	Lead	0.023	Copper	0.74	BDW048A RM 7	P2		
98	LF92096	Lead	0.000	Copper	0.44	BDW048A RM 7	F01		
99	LF92097	Lead	0.000	Copper	0.42	BDW048A RM 7	F02		
100	LF92098	Lead	0.005	Copper	0.47	BCF048 RM 7	P1		
101	LF92099	Lead	0.001	Copper	0.45	BCF048 RM 7	P2		
102	LF92100	Lead	0.000	Copper	0.43	BCF048 RM 7	F01		
103	LF92101	Lead	0.000	Copper	0.35	BCF048 RM 7	F02		
104	LF92102	Lead	0.215	Copper	14.20	01KC049 RM 13	P1		
105	LF92103	Lead	0.052	Copper	2.20	01KC049 RM 13	P2		
106	LF92104	Lead	0.015	Copper	0.11	01KC049 RM 13	F01		
107	LF92105	Lead	0.002	Copper	0.00	01KC049 RM 13	F02		
108	LF92106	Lead	0.024	Copper	0.51	BCF045 RM 3	P1		
109	LF92107	Lead	0.040	Copper	0.33	BCF045 RM 3	P2		
110	LF92108	Lead	0.006	Copper	0.00	BCF045 RM 3	F01		
111	LF92109	Lead	0.003	Copper	0.00	BCF045 RM 3	F02		
112	LF92110	Lead	0.014	Copper	0.14	BCF042 RM 2	P1		
113	LF92111	Lead	0.015	Copper	0.00	BCF042 RM 2	P2		
114	LF92112	Lead	0.004	Copper	0.00	BCF042 RM 2	F01		
115	LF92113	Lead	0.013	Copper	0.00	BCF042 RM 2	F02		
116	LF92114	Lead	0.072	Copper	0.39	01DW020 RM 32	P1		
117	LF92115	Lead	0.008	Copper	0.06	01DW020 RM 32	P2		
118	LF92116	Lead	0.001	Copper	0.00	01DW020 RM 32	F01		
119	LF92117	Lead	0.001	Copper	0.00	01DW020 RM 32	F02		
120	LF92118	Lead	0.074	Copper	0.49	01CF010 RM 39	P1		
121	LF92119	Lead	0.015	Copper	0.39	0CF010 RM 39	P2		
122	LF92120	Lead	0.018	Copper	0.40	01CF010 RM 39	F01		
123	LF92121	Lead	0.004	Copper	0.29	0CF010 RM 39	F02		
124	LF92122	Lead	0.007	Copper	0.13	01DW018 HALL RIGHT OF 34	P1		
125	LF92123	Lead	0.003	Copper	0.22	01DW018 HALL RIGHT OF 34	P2		
126	LF92124	Lead	0.003	Copper	0.10	0DW018 HALL RIGHT OF 34	F01		

	A	B	C	D	E	F	G	H	I
127	LF92125	Lead	0.003	Copper	0.06	01DW018 HALL RIGHT OF 34	F02		
128	LF92126	Lead	0.003	Copper	0.38	01CF019 RM 32	P1		
129	LF92127	Lead	0.008	Copper	0.18	01CRF019 RM 32	P2		
130	LF92128	Lead	0.000	Copper	0.00	01CF019 RM 32	F01		
131	LF92129	Lead	0.000	Copper	0.00	01CF019 RM 32	F02		
132	LF92130	Lead	0.002	Copper	0.18	01CF011 RM 38	P1		
133	LF92131	Lead	0.009	Copper	0.21	01CF011 RM 38	P2		
134	LF92132	Lead	0.002	Copper	0.09	01CF011 RM 38	F01		
135	LF92133	Lead	0.001	Copper	0.07	01CF011 RM 38	F02		
136	LF92134	Lead	0.020	Copper	0.25	01DW012 RM 38	P1		
137	LF92135	Lead	0.003	Copper	0.09	01DW012 RM 38	P2		
138	LF92136	Lead	0.002	Copper	0.07	01DW012 RM 38	F01		
139	LF92137	Lead	0.001	Copper	0.07	01DW012 RM 38	F02		
140	LF92138	Lead	0.003	Copper	0.21	01KC008 LOUNGE	P1		
141	LF92139	Lead	0.005	Copper	0.13	01KC008 LOUNGE	P2		
142	LF92140	Lead	0.000	Copper	0.10	01KC008 LOUNGE	F01		
143	LF92255	Lead	0.004	Copper	0.10	01KC008 LOUNGE	F02		
144	LF92256	Lead	0.000	Copper	0.16	01DW003 HALL BTW POOL GYM	P1		
145	LF92257	Lead	0.000	Copper	0.07	01DW003 HALL BTW POOL GYM	P2		
146	LF92258	Lead	0.039	Copper	0.07	01DW003 HALL BTW POOL GYM	F01		
147	LF92259	Lead	0.029	Copper	0.06	01DW003 HALL BTW POOL GYM	F02		
148	LF92260	Lead	0.038	Copper	0.21	01DW002 HALL BTW POOL GYM	P1		
149	LF92261	Lead	0.009	Copper	0.20	01DW002 HALL BTW POOL GYM	P2		
150	LF92262	Lead	0.007	Copper	0.09	01DW002 HALL BTW POOL GYM	F01		
151	LF92263	Lead	0.004	Copper	0.06	01DW002 HALL BTW POOL GYM	F02		
152	LF92264	Lead	0.005	Copper	0.22	01DW005 LEFT OF DHHS	P1		
153	LF92265	Lead	0.000	Copper	0.28	01DW005 LEFT OF DHHS	P2		
154	LF92152	Lead	0.003	Copper	0.31	01DW005 LEFT OF DHHS	F01		
155	LF92153	Lead	0.002	Copper	0.27	01DW005 LEFT OF DHHS	F02		
156	LF92154	Lead	0.005	Copper	0.06	01WC051 RIGHT OF RM 19	P1		
157	LF92155	Lead	0.006	Copper	0.07	01WC051 RIGHT OF RM 19	P2		
158	LF92156	Lead	0.010	Copper	0.05	01WC051 RIGHT OF RM 19	F01		
159	LF92157	Lead	0.004	Copper	0.00	01WC051 RIGHT OF RM 19	F02		
160	LF92158	Lead	0.004	Copper	0.49	01CF033- RM 58	P1		
161	LF92159	Lead	0.004	Copper	0.28	01CF033- RM 58	P2		
162	LF92160	Lead	0.002	Copper	0.19	01CF033- RM 58	F01		
163	LF92161	Lead	0.001	Copper	0.14	01CF033- RM 58	F02		
164	LF92162	Lead	2.856	Copper	23.60	01DW026- RM 62	P1		
165	LF92163	Lead	2.204	Copper	16.90	01DW026- RM 62	P2		
166	LF92164	Lead	0.219	Copper	2.71	01DW026- RM 62	F01		
167	LF92165	Lead	0.027	Copper	0.44	01DW026- RM 62	F02		
168	LF92166	Lead	0.115	Copper	0.87	01DW022- ROOM 69 HALLWAY	P1		

	A	B	C	D	E	F	G	H	I
169	LF92167	Lead	0.058	Copper	0.74	01DW022 ROOM 69 HALLWAY	P2		
170	LF92168	Lead	0.008	Copper	0.18	01DW022 ROOM 69 HALLWAY	F01		
171	LF92169	Lead	0.001	Copper	0.12	01DW022 ROOM 69 HALLWAY	F02		
172	LF92170	Lead	0.027	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	P1		
173	LF92171	Lead	0.018	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	P2		
174	LF92172	Lead	0.023	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	F01		
175	LF92173	Lead	0.014	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	F02		
176	LF92174	Lead	0.608	Copper	4.08	01DW032- RM 75	P1		
177	LF92175	Lead	0.375	Copper	3.60	01DW032- RM 75	P2		
178	LF92176	Lead	0.045	Copper	0.33	01DW032- RM 75	F01		
179	LF92177	Lead	0.005	Copper	0.06	01DW032- RM 75	F02		
180	LF92178	Lead	0.004	Copper	0.57	01CF027- RM 62	P1		
181	LF92179	Lead	0.004	Copper	1.33	01CF027- RM 62	P2		
182	LF92180	Lead	0.003	Copper	0.36	01CF027- RM 62	F01		
183	LF92181	Lead	0.000	Copper	0.11	01CF027- RM 62	F02		
184	LF92182	Lead	0.025	Copper	0.35	01CF024 RM 70	P1		
185	LF92183	Lead	0.021	Copper	0.39	01CF024 RM 70	P2		
186	LF92184	Lead	0.008	Copper	0.35	01CF024 RM 70	F01		
187	LF92185	Lead	0.002	Copper	0.16	01CF024 RM 70	F02		
188	LF92186	Lead	0.004	Copper	0.00	02WC052 ACROSS RM 24	P1		
189	LF92187	Lead	0.003	Copper	0.00	02WC052 ACROSS F RM 24	P2		
190	LF92188	Lead	0.005	Copper	0.00	02WC052 ACROSS F RM 24	F01		
191	LF92189	Lead	0.003	Copper	0.00	02WC052 ACROSS F RM 24	F02		
192	LF92190	Lead	0.009	Copper	0.72	01CF031- RM 75	P1		
193	LF92191	Lead	0.007	Copper	0.41	01CF031- RM 75	P2		
194	LF92192	Lead	0.001	Copper	0.18	01CF031- RM 75	F01		
195	LF92193	Lead	0.000	Copper	0.09	01CF031- RM 75	F02		
196	LF92194	Lead	0.015	Copper	0.38	01CF028- RM 72	P1		
197	LF92195	Lead	0.017	Copper	0.48	01CF028- RM 72	P2		
198	LF92196	Lead	0.005	Copper	0.39	01CF028- RM 72	F01		
199	LF92197	Lead	0.000	Copper	0.07	01CF028- RM 72	F02		
200	LF92198	Lead	0.009	Copper	0.38	01CF023- RM 64	P1		
201	LF92199	Lead	0.013	Copper	1.29	01CF023- RM 64	P2		
202	LF92200	Lead	0.008	Copper	0.70	01CF023- RM 64	F01		
203	LF92201	Lead	0.002	Copper	0.17	01CF023- RM 64	F02		
204	LF92202	Lead	0.018	Copper	0.59	01CF035- RM 77	P1		
205	LF92203	Lead	0.007	Copper	0.21	01CF035- RM 77	P2		
206	LF92204	Lead	0.001	Copper	0.00	01CF035- RM 77	F01		
207	LF92205	Lead	0.000	Copper	0.00	01CF035- RM 77	F02		
208	LF92206	Lead	0.010	Copper	0.52	01CF029- RM 61	P1		
209	LF92207	Lead	0.008	Copper	1.34	01CF029- RM 61	P2		
210	LF92208	Lead	0.010	Copper	0.51	01CF029- RM 61	F01		

	A	B	C	D	E	F	G	H	I
211	LF92209	Lead	0.001	Copper	0.08	01CF029- RM 61	F02		
212	LF92210	Lead	0.007	Copper	0.75	01CF030- RM 59	P1		
213	LF92211	Lead	0.005	Copper	2.17	01CF030- RM 59	P2		
214	LF92212	Lead	0.008	Copper	0.64	01CF030- RM 59	F01		
215	LF92213	Lead	0.002	Copper	0.08	01CF030- RM 59	F02		
216	LF92214	Lead	0.020	Copper	0.26	01DW025- RM 70	P1		
217	LF92215	Lead	0.016	Copper	0.29	01DW025- RM 70	P2		
218	LF92216	Lead	0.004	Copper	0.17	01DW025- RM 70	F01		
219	LF92217	Lead	0.003	Copper	0.13	01DW025- RM 70	F02		
220	LF92218	Lead	0.048	Copper	0.46	01DW036- RM 77	P1		
221	LF92219	Lead	0.009	Copper	0.22	01DW036- RM 77	P2		
222	LF92220	Lead	0.004	Copper	0.12	01DW036- RM 77	F01		
223	LF92221	Lead	0.002	Copper	0.00		F02		
224	LF92222	Lead	0.044	Copper	0.35	01DW007 RM 47	P1		
225	LF92223	Lead	0.011	Copper	0.30	01DW007 RM 47	P2		
226	LF92224	Lead	0.012	Copper	0.36	01DW007 RM 47	F01		
227	LF92225	Lead	0.005	Copper	0.28	01DW007 RM 47	F02		
228	LF92226	Lead	0.003	Copper	0.70	01DW001 POOL AREA	P1		
229	LF92227	Lead	0.002	Copper	0.74	01DW001 POOL AREA	P2		
230	LF92228	Lead	0.004	Copper	0.35	01DW001 POOL AREA	F01		
231	LF92229	Lead	0.000	Copper	0.16	01DW001 POOL AREA	F02		
232	LF92230	Lead	0.112	Copper	0.28	01CF006 RM 47	P1		
233	LF92231	Lead	0.023	Copper	0.21	01CF006 RM 47	F02		
234	LF92232	Lead	0.010	Copper	0.31	01CF006 RM 47	F01		
235	LF92233	Lead	0.002	Copper	0.28	01CF006 RM 47	P2		
236	LF92234	Lead	0.020	Copper	0.31	01CF039- RM 79	P1		
237	LF92235	Lead	0.016	Copper	0.27	01CF039- RM 79	P2		
238	LF92236	Lead	0.000	Copper	0.06	01CF039- RM 79	F01		
239	LF92237	Lead	0.000	Copper	0.00	01CF039- RM 79	F02		
240	LF92238	Lead	0.014	Copper	0.00	01DW050 ACROSS FROM RM 13	P1		
241	LF92239	Lead	0.004	Copper	0.00	01DW050 ACROSS FROM RM 13	P2		
242	LF92240	Lead	0.009	Copper	0.00	01DW050 ACROSS FROM RM 13	F01		
243	LF92241	Lead	0.004	Copper	0.00	01DW050 ACROSS FROM RM 13	F02		
244	LF92242	Lead	0.032	Copper	0.88	01CF037 RM 78	P1		
245	LF92243	Lead	0.042	Copper	0.39	01CF037 RM 78	P2		
246	LF92244	Lead	0.003	Copper	0.20	01CF037 RM 78	F01		
247	LF92245	Lead	0.000	Copper	0.06	01CF037 RM 78	F02		
248	LF92246	Lead	0.016	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	P1		
249	LF92247	Lead	0.015	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	P2		
250	LF92248	Lead	0.010	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	F01		
251	LF92249	Lead	0.004	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	F02		
252	LF92250	Lead	0.005	Copper	0.27	01CF009 RM 39	P1		

	A	B	C	D	E	F	G	H	I
253	LF92251	Lead	0.003	Copper	0.25	01CF009 RM 39	P2		
254	LF92252	Lead	0.003	Copper	0.15	01CF009 RM 39	F-01		
255	LF92253	Lead	0.002	Copper	0.10	01CF009 RM 39	F-02		
256	LF92254	Lead	0.002	Copper	0.30	01KC004 KITCHEN	P1		
257	LF92255	Lead	0.004	Copper	0.16	01KC004 KITCHEN	P2		
258	LF92256	Lead	0.000	Copper	0.18	01KC004 KITCHEN	F01		
259	LF92257	Lead	0.000	Copper	0.16	01KC004 KITCHEN	F02		
260	LF92258	Lead	0.039	Copper	0.59	BDW044 HALL BET RM 2 & STAIR	P1		
261	LF92259	Lead	0.029	Copper	0.10	BDW044 HALL BET RM 2 & STAIRS	P2		
262	LF92260	Lead	0.038	Copper	0.11	BDW044 HALL BET RM 2 & STAIR	F01		
263	LF92261	Lead	0.009	Copper	0.05	BDW044 HALL BET RM 2 & STAIR	F02		
264	LF92262	Lead	0.007	Copper	0.37	01CF034- RM 76	P1		
265	LF92263	Lead	0.004	Copper	0.27	01CF034- 76	P2		
266	LF92264	Lead	0.005	Copper	0.15	01CF034- RM 76	F01		
267	LF92265	Lead	0.000	Copper	0.06	01CF034- RM 76	F02		

From: Krisztian, George (DEQ)
Sent: Monday, November 23, 2015 11:45 AM
To: Shaler, Karen (DEQ);Thelen, Mary Beth (DEQ)
Subject: Governor's update
Attachments: 18 Point Partnering Plan.docx; 2015-11-23 Flint Drinking Water Action Plan Update.docx

Importance: High

Karen,

Attached is this week's report to the Governor.

Please note that we are no longer using the chart. We will begin using the 18 point partnering plan (attached) starting next week.

Thank you
George

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

PPI

DEQ's 18 Point Partnering Plan

1. After Action Plan (FAQ) will be ready by noon November 16, 2015

- First version complete – updated as needed

2. School Test Data

- School reports to be expedited
- Steve Busch creates summary reports
- George Krisztian creates summary spreadsheet

3. Blood exposure

- DHHS is lead on providing data

4. Meeting with Mayor Karen Weaver

- Harvey Hollins lead – Dan Wyant, Jim Sygo and George Krisztian to attend

5. Messaging our Partnering Plan

- Provide ongoing public updates regarding Governor's 10 point plan
- Continue emphasis on the availability of free testing for Flint residents
- OEA to direct the Public to the "Flintwater" website

6. Sampling Protocol

- Establish alignment with EPA Region 5 on sampling protocol

7. Lead service line replacement

- Expand RLF directed at lead service line replacement
- Amy Epkey, Maggie Pallone and Sonya Butler

8. Partner with EPA

- Jim Sygo → Bob Kaplan
- Dan Wyant → Susan Hedman
- Mike Prysby and Steve Busch → Darren Lytle and Mike Schock
- George Krisztian → Tom Burke
- ODWMA Staff → EPA Region 5 Staff (Jennifer Crooks and Tom Poy)

9. Meet with Mott Foundation to discuss Lead Service Line Identification Study

10. Lead Education Program

- DHHS is the lead on Lead Education Program

11. Moving KWA forward

- Proactive meetings with KWA

12. Participate actively with Technical Advisory Council**13. Utilize Joan Rose and MSU water expertise****14. Public Outreach**

- Mayor Karen Weaver
- Genesee County Health Department
- Drs. Lawrence Reynolds, Eden Wells and Matthew Davis
- Ministers
- Land Bank
- Legislators
- Citizens

15. Outreach to schools

- EPA guidance on testing
- Work with state superintendent
- ODWMA Staff to work on Literature

16. Make recommendations to EPA about LCR**17. Compliance Communication letter sent November 9, 2015**

- Wait until after Dec 30th

18. Enhance Coordination with Health Officials regarding personal health notifications of drinking water issues.

Flint Drinking Water Action Plan Update

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Key Actions:

- An 18 point partnering plan was developed to guide DEQ staff on the Flint water issue. The document focuses on areas of concern and identifies key partnerships. The issues in the partnering plan address short term, intermediate term and long term goals. This document will be reviewed at least weekly and actions by DEQ staff with respect to the partnership plan will be documented. The partnership plan has become a standing agenda item and a central focus for the internal action plan meetings.
- On Friday November 20, 2015 the weekly meeting was held at Flint between DEQ Staff and City Officials. Mayor Karen Weaver was present at the meeting. This was Mayor Weaver's first time in attendance at the weekly meeting. After introductions were made, the Mayor was given an overview of the data from the free home owner's testing. Mayor Weaver was informed that the samples were from any Flint resident that wished to have their water tested and as such were not necessarily representative of the site selection criteria as specified in the lead and copper rule but with that said, the results were encouraging. The Mayor was informed that over ¾ of the samples had results of 5 ppb or less and that approximately 92% of the sample results were at 15 ppb or less. It was also stressed to the Mayor that although the results were encouraging, there were also pockets of concern where the lead levels in the drinking water were significantly above 15 ppb.

There was also discussion about the making sure that water sample results were kept in context. In order for an individual to be sure with respect to their exposure to lead they should have their blood tested. Individuals with an elevated blood level would then be encouraged to have an Elevated Blood Level (EBL) investigation done to evaluate all potential exposure pathways. There was then discussion as to what the EBL investigation entailed and how water testing was being incorporated into the EBL.

The meeting ended with an invitation by the DEQ to the Mayor to come tour the DEQ's Laboratory to see first-hand how samples were analyzed. The Mayor indicated that she would be very interested in a tour and that date would be set up.

Positions:

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Flint Drinking Water Action Plan Update

Page 2

- There are no new positions to report since last week.

Concerns:

- There are no new concerns to report since last week.

Significant Events:

- A Frequently Asked Questions document was provided to the Governor's task force on November 16, 2016. Staff from the DEQ subsequently met with the task force on November 18, 2015.

Changes from Previous Report:

- DEQ Staff provided comments on the final draft of the DHHS protocol for Elevated Blood Level (EBL) investigations. The sampling protocol will utilize 14 drinking water samples that will be used to identify potential sources of exposure of lead located in the plumbing system of residential dwellings.
- DEQ Staff Provided comment on the draft sampling protocol that the city of Flint is proposing to use for compliance monitoring for the lead and copper rule. This document has been forwarded to staff at EPA for additional comment.
- On November 19, 2015 DEQ Staff contacted EPA staff via e-mail a request by the city of Flint for guidance on a corrosion control treatment evaluation for KWA source water use at the Flint Water Treatment Plant. A meeting has been scheduled to discuss the issue with all parties on December 11, 2015.
- DEQ and DLARA staff conducted a plumbing assessment of Neithercut Elementary School in Flint was conducted on Friday November 20, 2015.
- DEQ and DLARA staff conducted school sampling at Neithercut Elementary School in Flint on Saturday November 21, 2015.
- A Draft report for Eisenhower Elementary School was completed and is awaiting final publishing and will then be posted to the "Flintwater" website.
- Draft reports for Brownell STEM Academy and Pierce Elementary Schools are in progress and near completion.
- DEQ staff have been in meetings with the Auditor General Legislative audit team and have provided information and documentation as requested.

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Flint Drinking Water Action Plan Update

Page 3

Other Items:

- Attached is the 18 point Partnering Plan that will guide the efforts of the DEQ regarding the Flint water issue.

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719

PPI

November 23, 2015

From: Krisztian, George (DEQ)
Sent: Tuesday, November 24, 2015 12:33 PM
To: btawwab@flintschools.org
Cc: tsitko@flintschools.org; Sygo, Jim (DEQ)
Subject: Eisenhower Elementary School Report
Attachments: EisenhowerElementary_Report.pdf; Eisenhower Spreadsheet.xlsx

Mr. Superintendent,

Please find attached the lead and copper evaluation report for Eisenhower Elementary. Also attached is a spreadsheet that consolidates the lead and copper data for all of the sampling points. The findings for Eisenhower are very similar to the findings for Freeman in that the issues appear to be fixture specific and not located deep within the plumbing system.

Please note that this data will be posted to the www.michigan.gov/flintwater website either tomorrow or sometime early next week.

I spoke with Monica Wood today and it appears that she will be setting up a meeting for us on Friday December 4, 2015 to review data and to discuss any questions you may have.

I look forward to meeting with you!
George

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

PPI

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

	A	B	C	D	E	F	G
1	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
2	Lead	0.036	Copper	0.15	01CF014 RM104	P1	First Primary draw of 125 milliliters
3	Lead	0.036	Copper	0.12	01CF014 RM104	P2	Second Primary draw of 125 milliliters
4	Lead	0.002	Copper	0.00	01CF014 RM104	F01	Flush Sample taken 30 Seconds after Second Primary Draw
5	Lead	0.001	Copper	0.00	01CF014 RM 104	F02	Flush Sample taken 2 minutes after First Flush Sample
6	Lead	0.009	Copper	0.07	02CF021 RM201	P1	First Primary draw of 125 milliliters
7	Lead	0.009	Copper	0.07	02CF021 RM201	P2	Second Primary draw of 125 milliliters
8	Lead	0.000	Copper	0.00	02CF021 RM201	F01	Flush Sample taken 30 Seconds after Second Primary Draw
9	Lead	0.000	Copper	0.00	02CF021 RM201	F02	Flush Sample taken 2 minutes after First Flush Sample
10	Lead	0.012	Copper	0.08	02DW023 RM202	P1	First Primary draw of 125 milliliters
11	Lead	0.009	Copper	0.09	02DW023 RM202	P2	Second Primary draw of 125 milliliters
12	Lead	0.001	Copper	0.00	02DW023 RM202	F01	Flush Sample taken 30 Seconds after Second Primary Draw
13	Lead	0.000	Copper	0.00	02DW023 RM202	F02	Flush Sample taken 2 minutes after First Flush Sample
14	Lead	0.013	Copper	0.21	01CF010RM102	P1	First Primary draw of 125 milliliters
15	Lead	0.002	Copper	0.08	01CF010RM102	P2	Second Primary draw of 125 milliliters
16	Lead	0.000	Copper	0.00	01CF010RM102	F01	Flush Sample taken 30 Seconds after Second Primary Draw
17	Lead	0.000	Copper	0.00	01CF010RM102	F02	Flush Sample taken 2 minutes after First Flush Sample
18	Lead	0.043	Copper	0.17	01DW013 RM104	P1	First Primary draw of 125 milliliters
19	Lead	0.106	Copper	0.24	01DW013 RM104	P2	Second Primary draw of 125 milliliters
20	Lead	0.003	Copper	0.00	01DW013 RM104	F01	Flush Sample taken 30 Seconds after Second Primary Draw
21	Lead	0.002	Copper	0.00	01DW013 - RM104	F02	Flush Sample taken 2 minutes after First Flush Sample
22	Lead	0.037	Copper	0.09	02DW020 RM201	P1	First Primary draw of 125 milliliters
23	Lead	0.024	Copper	0.1	02DW020 RM201	P2	Second Primary draw of 125 milliliters
24	Lead	0.002	Copper	0.05	02DW020 RM201	F01	Flush Sample taken 30 Seconds after Second Primary Draw
25	Lead	0.000	Copper	0.00	02DW020 RM201	F02	Flush Sample taken 2 minutes after First Flush Sample
26	Lead	0.012	Copper	0.1	01CF012 RM103	P1	First Primary draw of 125 milliliters
27	Lead	0.012	Copper	0.08	01CF012 RM103	P2	Second Primary draw of 125 milliliters
28	Lead	0.003	Copper	0.06	01CF012 RM103	F01	Flush Sample taken 30 Seconds after Second Primary Draw

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

	A	B	C	D	E	F	G
29	Lead	0.002	Copper	0.00	01CF012 RM103	F02	Flush Sample taken 2 minutes after First Flush Sample
30	Lead	0.009	Copper	0.18	01DW009 RM102	P1	First Primary draw of 125 milliliters
31	Lead	0.003	Copper	0.08	01DW009 RM102	P2	Second Primary draw of 125 milliliters
32	Lead	0.000	Copper	0.00	01DW009 RM102	F01	Flush Sample taken 30 Seconds after Second Primary Draw
33	Lead	0.000	Copper	0.00	01DW009 RM102	F02	Flush Sample taken 2 minutes after First Flush Sample
34	Lead	0.013	Copper	0.06	01DW011 RM103	P1	First Primary draw of 125 milliliters
35	Lead	0.004	Copper	0.00	01DW011 RM103	P2	Second Primary draw of 125 milliliters
36	Lead	0.002	Copper	0.00	01DW011 RM103	F01	Flush Sample taken 30 Seconds after Second Primary Draw
37	Lead	0.001	Copper	0.00	01DW011 RM103	F02	Flush Sample taken 2 minutes after First Flush Sample
38	Lead	0.007	Copper	0.19	02CF022 RM202	P1	First Primary draw of 125 milliliters
39	Lead	0.024	Copper	0.19	02CF022 - RM202	P2	Second Primary draw of 125 milliliters
40	Lead	0.002	Copper	0.3	02CF022 - RM202	F01	Flush Sample taken 30 Seconds after Second Primary Draw
41	Lead	0.001	Copper	0.12	02CF022 - RM202	F02	Flush Sample taken 2 minutes after First Flush Sample
42	Lead	0.014	Copper	0.15	01CF008 RM101	P1	First Primary draw of 125 milliliters
43	Lead	0.011	Copper	0.11	01CF008 - RM101	P2	Second Primary draw of 125 milliliters
44	Lead	0.001	Copper	0.00	01CF008 RM101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
45	Lead	0.001	Copper	0.00	01CF008 - RM101	F02	Flush Sample taken 2 minutes after First Flush Sample
46	Lead	0.011	Copper	0.11	01DW007 RM101	P1	First Primary draw of 125 milliliters
47	Lead	0.010	Copper	0.11	01DW007 RM101	P2	Second Primary draw of 125 milliliters
48	Lead	0.002	Copper	0.00	01DW007 RM101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
49	Lead	0.000	Copper	0.00	01DW007 RM101	F02	Flush Sample taken 2 minutes after First Flush Sample
50	Lead	0.032	Copper	0.31	01DW001 GYM	P1	First Primary draw of 125 milliliters
51	Lead	0.006	Copper	0.13	01DW001 GYM	P2	Second Primary draw of 125 milliliters
52	Lead	0.005	Copper	0.1	01DW001 GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
53	Lead	0.003	Copper	0.08	01DW001 GYM	F02	Flush Sample taken 2 minutes after First Flush Sample
54	Lead	0.017	Copper	0.22	01CF004 RO10M 109	P1	First Primary draw of 125 milliliters
55	Lead	0.010	Copper	0.15	01CF004 ROOM109	P2	Second Primary draw of 125 milliliters
56	Lead	0.001	Copper	0.06	01CF004 ROOM109	F01	Flush Sample taken 30 Seconds after Second Primary Draw

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

	A	B	C	D	E	F	G
57	Lead	0.002	Copper	0.08	01CF004 ROOM109	F02	Flush Sample taken 2 minutes after First Flush Sample
58	Lead	0.013	Copper	0.15	01DW003 ROOM109	P1	First Primary draw of 125 milliliters
59	Lead	0.003	Copper	0.08	01DW003 ROOM109	P2	Second Primary draw of 125 milliliters
60	Lead	0.002	Copper	0.06	01DW003 ROOM109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
61	Lead	0.001	Copper	0.05	01DW003 ROOM109	F02	Flush Sample taken 2 minutes after First Flush Sample
62	Lead	0.014	Copper	0.12	01CF006 CLINIC	P1	First Primary draw of 125 milliliters
63	Lead	0.003	Copper	0.16	01CF006 CLINIC	P2	Second Primary draw of 125 milliliters
64	Lead	0.001	Copper	0.07	01CF006 CLINIC	F01	Flush Sample taken 30 Seconds after Second Primary Draw
65	Lead	0.000	Copper	0.05	01CF006 CLINIC	F02	Flush Sample taken 2 minutes after First Flush Sample
66	Lead	0.017	Copper	0.48	04KC043 UNIT2	P1	First Primary draw of 125 milliliters
67	Lead	0.003	Copper	0.72	04KC043 UNIT2	P2	Second Primary draw of 125 milliliters
68	Lead	0.002	Copper	0.65	04KC043 UNIT 2	F01	Flush Sample taken 30 Seconds after Second Primary Draw
69	Lead	0.003	Copper	1.04	04KC043-UNIT 2	F02	Flush Sample taken 2 minutes after First Flush Sample
70	Lead	0.000	Copper	1.08	03DW039 - UNIT 1	P1	First Primary draw of 125 milliliters
71	Lead	0.000	Copper	1.03	03DW039 - UNIT 1	P2	Second Primary draw of 125 milliliters
72	Lead	0.000	Copper	1.04	03DW039 - UNIT 1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
73	Lead	0.000	Copper	0.65	03DW039 - UNIT 1	F02	Flush Sample taken 2 minutes after First Flush Sample
74	Lead	0.004	Copper	0.2	01KC005 - COMMUNITY ROOM	P1	First Primary draw of 125 milliliters
75	Lead	0.004	Copper	0.13	01KC005 COMMUNITY	P2	Second Primary draw of 125 milliliters
76	Lead	0.001	Copper	0.06	01KC005 COMMUNITY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
77	Lead	0.000	Copper	0.00	01KC005 COMMUNITY	F02	Flush Sample taken 2 minutes after First Flush Sample
78	Lead	0.017	Copper	0.28	01WC002 HALL	P1	First Primary draw of 125 milliliters
79	Lead	0.017	Copper	0.33	01WC002 HALL	P2	Second Primary draw of 125 milliliters
80	Lead	0.012	Copper	0.26	01WC002 HALL	F01	Flush Sample taken 30 Seconds after Second Primary Draw
81	Lead	0.003	Copper	0.12	01 WC002 HALL	F02	Flush Sample taken 2 minutes after First Flush Sample
82	Lead	0.012	Copper	0.33	03KC041- UNIT 1	P1	First Primary draw of 125 milliliters
83	Lead	0.004	Copper	1.84	03KC041 - UNIT1	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
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Flint, Michigan 48503

	A	B	C	D	E	F	G
84	Lead	0.000	Copper	1.07	03KC041-UNIT1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
85	Lead	0.000	Copper	1.12	03KC041 - UNIT1	F02	Flush Sample taken 2 minutes after First Flush Sample
86	Lead	0.005	Copper	2.77	03DW38 - UNIT1	P1	First Primary draw of 125 milliliters
87	Lead	0.001	Copper	1.37	03DW038 - UNIT 1	P2	Second Primary draw of 125 milliliters
88	Lead	0.000	Copper	1.2	03DW038 - UNIT 1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
89	Lead	0.000	Copper	1.03	03DW038 UNIT1	F02	Flush Sample taken 2 minutes after First Flush Sample
90	Lead	0.012	Copper	0.27	03KC040 UNIT 1	P1	First Primary draw of 125 milliliters
91	Lead	0.002	Copper	0.41	03KC040 UNIT1	P2	Second Primary draw of 125 milliliters
92	Lead	0.001	Copper	0.99	03KC040 UNIT 1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
93	Lead	0.000	Copper	1.13	03KC040 UNIT1	F02	Flush Sample taken 2 minutes after First Flush Sample
94	Lead	0.011	Copper	0.49	04KC044 - UNIT 2	P1	First Primary draw of 125 milliliters
95	Lead	0.003	Copper	0.97	04KC044-UNIT 2	P2	Second Primary draw of 125 milliliters
96	Lead	0.001	Copper	1.22	04KC044 - UNIT 2	F01	Flush Sample taken 30 Seconds after Second Primary Draw
97	Lead	0.000	Copper	0.6	04KC044 UNIT2	F02	Flush Sample taken 2 minutes after First Flush Sample
98	Lead	0.007	Copper	0.13	02CF036 RM209	P7	First Primary draw of 125 milliliters
99	Lead	0.021	Copper	0.19	02CF036 RM209	P2	Second Primary draw of 125 milliliters
100	Lead	0.005	Copper	0.07	02CF036 RM209	F07	Flush Sample taken 30 Seconds after Second Primary Draw
101	Lead	0.001	Copper	0.00	02CF036 RM209	F02	Flush Sample taken 2 minutes after First Flush Sample
102	Lead	0.012	Copper	0.11	02DW035 RM208	P1	First Primary draw of 125 milliliters
103	Lead	0.019	Copper	0.08	02DW035 RM208	P2	Second Primary draw of 125 milliliters
104	Lead	0.006	Copper	0.07	02DW035 RM208	F01	Flush Sample taken 30 Seconds after Second Primary Draw
105	Lead	0.003	Copper	0.05	02DW035 RM208	F02	Flush Sample taken 2 minutes after First Flush Sample
106	Lead	0.019	Copper	0.11	02CF034 RM208	P1	First Primary draw of 125 milliliters
107	Lead	0.012	Copper	0.07	02CF034 RM208	P2	Second Primary draw of 125 milliliters
108	Lead	0.003	Copper	0.05	02CF034 RM208	F01	Flush Sample taken 30 Seconds after Second Primary Draw
109	Lead	0.002	Copper	0.00	02CF034 RM 208	F02	Flush Sample taken 2 minutes after First Flush Sample
110	Lead	0.020	Copper	0.09	02DW033 RM207	P1	First Primary draw of 125 milliliters
111	Lead	0.004	Copper	0.06	02DW033 RM207	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

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	A	B	C	D	E	F	G
112	Lead	0.003	Copper	0.06	02DW033 RM207	F01	Flush Sample taken 30 Seconds after Second Primary Draw
113	Lead	0.003	Copper	0.05	02DW033 RM207	F02	Flush Sample taken 2 minutes after First Flush Sample
114	Lead	0.017	Copper	0.16	01KC019 RM108	P1	First Primary draw of 125 milliliters
115	Lead	0.005	Copper	0.11	01KC019 RM108	P2	Second Primary draw of 125 milliliters
116	Lead	0.004	Copper	0.06	01KC019 RM108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
117	Lead	0.001	Copper	0.00	01KC019 RM108	F02	Flush Sample taken 2 minutes after First Flush Sample
118	Lead	0.021	Copper	0.07	02CF032 RM207	P1	First Primary draw of 125 milliliters
119	Lead	0.023	Copper	0.13	02CF032 RM207	P2	Second Primary draw of 125 milliliters
120	Lead	0.005	Copper	0.08	02CF032 RM207	F01	Flush Sample taken 30 Seconds after Second Primary Draw
121	Lead	0.001	Copper	0.06	02CF032 RM207	F02	Flush Sample taken 2 minutes after First Flush Sample
122	Lead	0.008	Copper	0.1	02DW037 RM209	P1	First Primary draw of 125 milliliters
123	Lead	0.002	Copper	0.06	02DW037 RM209	P2	Second Primary draw of 125 milliliters
124	Lead	0.002	Copper	0.00	02DW037 RM209	F01	Flush Sample taken 30 Seconds after Second Primary Draw
125	Lead	0.002	Copper	0.00	02DW037 RM209	F02	Flush Sample taken 2 minutes after First Flush Sample
126	Lead	0.013	Copper	0.08	02DW025 RM203	P1	First Primary draw of 125 milliliters
127	Lead	0.004	Copper	0.06	02DW025 RM203	P2	Second Primary draw of 125 milliliters
128	Lead	0.005	Copper	0.05	02DW025 RM203	F01	Flush Sample taken 30 Seconds after Second Primary Draw
129	Lead	0.004	Copper	0.06	02DW025 RM203	F02	Flush Sample taken 2 minutes after First Flush Sample
130	Lead	0.018	Copper	0.09	02DW027 RM204	P1	First Primary draw of 125 milliliters
131	Lead	0.008	Copper	0.08	02DW027 RM204	P2	Second Primary draw of 125 milliliters
132	Lead	0.002	Copper	0.00	02DW027 RM204	F01	Flush Sample taken 30 Seconds after Second Primary Draw
133	Lead	0.001	Copper	0.00	02DW027 RM204	F02	Flush Sample taken 2 minutes after First Flush Sample
134	Lead	0.014	Copper	0.09	02CF026 - 4M 204	P1	First Primary draw of 125 milliliters
135	Lead	0.004	Copper	0.05	02CF026 RM204	P2	Second Primary draw of 125 milliliters
136	Lead	0.000	Copper	0.00	02CF026 RM 204	F01	Flush Sample taken 30 Seconds after Second Primary Draw
137	Lead	0.000	Copper	0.00	02CF026 RM204	F02	Flush Sample taken 2 minutes after First Flush Sample
138	Lead	0.084	Copper	0.16	02DW031 RM206	P1	First Primary draw of 125 milliliters
139	Lead	0.007	Copper	0.05	02DW031 RM206	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

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	A	B	C	D	E	F	G
140	Lead	0.001	Copper	0.00	02DW031 RM206	F01	Flush Sample taken 30 Seconds after Second Primary Draw
141	Lead	0.000	Copper	0.00	02DW031 RM206	F02	Flush Sample taken 2 minutes after First Flush Sample
142	Lead	0.039	Copper	0.1	02DW029 RM205	P1	First Primary draw of 125 milliliters
143	Lead	0.014	Copper	0.11	02DW029 RM205	P2	Second Primary draw of 125 milliliters
144	Lead	0.011	Copper	0.13	02DW029 RM205	F01	Flush Sample taken 30 Seconds after Second Primary Draw
145	Lead	0.001	Copper	0.05	02DW029 RM205	F02	Flush Sample taken 2 minutes after First Flush Sample
146	Lead	0.012	Copper	0.06	02CF028 RM205	P1	First Primary draw of 125 milliliters
147	Lead	0.005	Copper	0.05	02CF028 RM205	P2	Second Primary draw of 125 milliliters
148	Lead	0.000	Copper	0.00	02CF028 RM205	F01	Flush Sample taken 30 Seconds after Second Primary Draw
149	Lead	0.000	Copper	0.00	02CF028 RM205	F02	Flush Sample taken 2 minutes after First Flush Sample
150	Lead	0.012	Copper	0.15	07DW017 RM107	P1	First Primary draw of 125 milliliters
151	Lead	0.009	Copper	0.16	01DW017 RM107	P2	Second Primary draw of 125 milliliters
152	Lead	0.002	Copper	0.06	01DW017 RM107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
153	Lead	0.001	Copper	0.06	01DW017 RM107	F02	Flush Sample taken 2 minutes after First Flush Sample
154	Lead	0.010	Copper	0.06	01DW015 RM106	P1	First Primary draw of 125 milliliters
155	Lead	0.002	Copper	0.06	01DW015 RM106	P2	Second Primary draw of 125 milliliters
156	Lead	0.001	Copper	0.00	01DW015 RM106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
157	Lead	0.000	Copper	0.05	01DW015 RM106	F02	Flush Sample taken 2 minutes after First Flush Sample
158	Lead	0.009	Copper	0.17	01CF018 RM107	P1	First Primary draw of 125 milliliters
159	Lead	0.006	Copper	0.3	01CF018 RM107	P2	Second Primary draw of 125 milliliters
160	Lead	0.001	Copper	0.21	01CF018 RM107	F07	Flush Sample taken 30 Seconds after Second Primary Draw
161	Lead	0.000	Copper	0.12	01CF078 RM107	F02	Flush Sample taken 2 minutes after First Flush Sample
162	Lead	0.010	Copper	0.11	02CF030 RM206	P1	First Primary draw of 125 milliliters
163	Lead	0.008	Copper	0.14	02CF030 RM206	P2	Second Primary draw of 125 milliliters
164	Lead	0.002	Copper	0.05	02CF030 RM206	F01	Flush Sample taken 30 Seconds after Second Primary Draw
165	Lead	0.000	Copper	0.00	02CF030 RM206	F02	Flush Sample taken 2 minutes after First Flush Sample
166	Lead	0.402	Copper	0.16	01CF016 - RM106	P1	First Primary draw of 125 milliliters
167	Lead	0.061	Copper	0.08	01CF016 - RM106	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

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	A	B	C	D	E	F	G
168	Lead	0.004	Copper	0.06	01CF016 - RM106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
169	Lead	0.001	Copper	0.05	01CF016 - RM106	F02	Flush Sample taken 2 minutes after First Flush Sample
170	Lead	0.014	Copper	0.16	02CF024 RM203	P1	First Primary draw of 125 milliliters
171	Lead	0.015	Copper	0.25	02CF024 RM203	P2	Second Primary draw of 125 milliliters
172	Lead	0.006	Copper	0.11	02CF024 RM203	F01	Flush Sample taken 30 Seconds after Second Primary Draw
173	Lead	0.002	Copper	0.05	02CF024 RM203	F02	Flush Sample taken 2 minutes after First Flush Sample
174	Lead	0.001	Copper	0.55	03KC040 - UNIT 1	A1	First Sequential Sample
175	Lead	0.000	Copper	0.3	03KC040 - UNIT 1	A2	Second Sequential Sample
176	Lead	0.000	Copper	0.28	03KC040 - UNIT 1	A3	Third Sequential Sample
177	Lead	0.000	Copper	0.27	03KC040 - UNIT 1	A4	Forth Sequential Sample
178	Lead	0.000	Copper	0.26	03KC040 - UNIT 1	A5	Fifth Sequential Sample
179	Lead	0.000	Copper	0.25	03KC040 - UNIT 1	A6	Sixth Sequential Sample
180	Lead	0.000	Copper	0.25	03KC040 - UNIT 1	A7	Seventh Sequential Sample
181	Lead	0.000	Copper	0.25	03KC040 UNIT 1	A8	Eigth Sequential Sample
182	Lead	0.000	Copper	0.23	03KC040 UNIT 1	A9	Ninth Sequential Sample
183	Lead	0.000	Copper	0.24	03KC040 UNIT 1	A10	Tenth Sequential Sample
184	Lead	0.002	Copper	0.53	04KC044 UNIT 2	B1	First Sequential Sample
185	Lead	0.000	Copper	0.45	04KC044 UNIT 2	B2	Second Sequential Sample
186	Lead	0.000	Copper	0.42	04KC044 UNIT 2	B3	Third Sequential Sample
187	Lead	0.000	Copper	0.39	04KC044 UNIT 2	B4	Forth Sequential Sample
188	Lead	0.000	Copper	0.37	04KC044 UNIT 2	B5	Fifth Sequential Sample
189	Lead	0.000	Copper	0.36	04KC044 UNIT 2	B6	Sixth Sequential Sample
190	Lead	0.001	Copper	0.36	04KC044 UNIT 2	B7	Seventh Sequential Sample
191	Lead	0.001	Copper	0.36	04KC044 UNIT 2	B8	Eigth Sequential Sample
192	Lead	0.000	Copper	0.33	04KC044 UNIT 2	B9	Ninth Sequential Sample
193	Lead	0.000	Copper	0.31	04KC044 UNIT 2	B10	Tenth Sequential Sample
194							
195	Lead	0.003	Copper	0.08	01CF004 - RM 109	C1	First Sequential Sample
196	Lead	0.000	Copper	0.05	01CF004 - RM 109	C2	Second Sequential Sample
197	Lead	0.000	Copper	0.00	01CF004 - RM 109	C3	Third Sequential Sample
198	Lead	0.000	Copper	0.00	01CF004 RM 109	C4	Forth Sequential Sample
199	Lead	0.000	Copper	0.00	01CF004 RM 109	C5	Fifth Sequential Sample
200	Lead	0.000	Copper	0.00	01CF004 RM 109	C6	Sixth Sequential Sample
201	Lead	0.000	Copper	0.00	01CF004 RM 109	C7	Seventh Sequential Sample
202	Lead	0.000	Copper	0.00	01CF004 RM 109	C8	Eigth Sequential Sample
203	Lead	0.000	Copper	0.00	01CF004 RM 109	C9	Ninth Sequential Sample
204	Lead	0.000	Copper	0.00	01CF004 R 109	C10	Tenth Sequential Sample
205	Lead	0.002	Copper	0.09	01CF010 RM 102	D1	First Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

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	A	B	C	D	E	F	G
206	Lead	0.000	Copper	0.00	01CF010 RM 102	D2	Second Sequential Sample
207	Lead	0.000	Copper	0.00	01CF010 RM 102	D3	Third Sequential Sample
208	Lead	0.000	Copper	0.00	01CF010 RM 102	D4	Forth Sequential Sample
209	Lead	0.000	Copper	0.00	01CF010 RM 102	D5	Fifth Sequential Sample
210	Lead	0.000	Copper	0.00	01CF010 RM 102	D6	Sixth Sequential Sample
211	Lead	0.000	Copper	0.00	01CF010 RM 102	D7	Seventh Sequential Sample
212	Lead	0.000	Copper	0.00	01CF010 RM 102	D8	Eigth Sequential Sample
213	Lead	0.000	Copper	0.00	01CF010 RM 102	D9	Ninth Sequential Sample
214	Lead	0.000	Copper	0.00	01CF010 RM 102	D10	Tenth Sequential Sample
215	Lead	0.003	Copper	0.07	02CF036 RM 209	E1	First Sequential Sample
216	Lead	0.001	Copper	0.00	02CF036 - RM 209	E2	Second Sequential Sample
217	Lead	0.001	Copper	0.00	02CF036 - RM 209	E3	Third Sequential Sample
218	Lead	0.001	Copper	0.00	02CF036 RM 209	E4	Forth Sequential Sample
219	Lead	0.000	Copper	0.00	02CF036 RM 209	E5	Fifth Sequential Sample
220	Lead	0.000	Copper	0.00	02CF036 RM 209	E6	Sixth Sequential Sample
221	Lead	0.000	Copper	0.00	02CF036 RM 209	E7	Seventh Sequential Sample
222	Lead	0.000	Copper	0.00	02CF036 RM 209	E8	Eigth Sequential Sample
223	Lead	0.000	Copper	0.00	02CF036 RM 209	E9	Ninth Sequential Sample
224	Lead	0.000	Copper	0.00	02CF036 RM 209	E10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

From: Krisztian, George (DEQ)
Sent: Tuesday, November 24, 2015 1:48 PM
To: Shekter Smith, Liane (DEQ); Benzie, Richard (DEQ)
Cc: Sygo, Jim (DEQ); Busch, Stephen (DEQ)
Subject: RE: MDHHS - draft Phosphate Factsheet - Request - [Preliminary and Deliberative Draft - not subject to FOIA]

We need to discuss this as a group, I am not comfortable with some of the statements made in this document.

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

PPI

From: Shekter Smith, Liane (DEQ)
Sent: Tuesday, November 24, 2015 1:45 PM
To: Krisztian, George (DEQ); Benzie, Richard (DEQ)
Cc: Sygo, Jim (DEQ); Busch, Stephen (DEQ)
Subject: FW: MDHHS - draft Phosphate Factsheet - Request - [Preliminary and Deliberative Draft - not subject to FOIA]

FYI – not sure who else should be asked to provide comments.

From: Groetsch, Kory J. (DHHS)
Sent: Tuesday, November 24, 2015 11:27 AM
To: Sygo, Jim (DEQ); Busch, Stephen (DEQ); Shekter Smith, Liane (DEQ)
Cc: Dykema, Linda D. (DHHS)
Subject: MDHHS - draft Phosphate Factsheet - Request - [Preliminary and Deliberative Draft - not subject to FOIA]

Hello Jim, Liane, and Stephen,

MDHHS has created a one-page Phosphate factsheet that is in the final stages of review.

We would appreciate your review of this statement:

The City of Flint, MDEQ, and the EPA worked together to find how much phosphate is needed to help quickly coat the pipes with scale.

Is it accurate to include MDEQ and/or US EPA in this statement?

We are always open to additional comments and edits, if you have them.

We appreciate your attention to this request.

Kory Groetsch, MS , Manager
Toxicology and Response Section
Michigan Dept of Health and Human Services (MDHHS)
201 Townsend St.
Lansing, MI 48913
517-335-9935
groetschik@michigan.gov

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From: Krisztian, George (DEQ)
Sent: Tuesday, November 24, 2015 1:57 PM
To: Sygo, Jim (DEQ)
Subject: FW: Technical Advisory Committee Meeting

FYI

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

PPI

From: Shawn Patrick McElmurry [mailto:s.mcelmurry@wayne.edu]
Sent: Tuesday, November 24, 2015 10:10 AM
To: Andy Leavitt; Schock, Michael; Michael Glasgow; Amy Hovey; Brent Wright; Lytle, Darren; Deborah Higgins; donna. cole; Dykema, Linda D. (DHHS); Wells, Eden (DHHS); edwardsm; Krisztian, George (DEQ); jmikewright; Gerald (Jed) Natzke; James Henry; Jamie Gaskin; John O'Brien; JoAnne Herman; Kirk Smith; Kevin J. Keane; Lawrence Reynolds; Laura Sullivan; Wright, Michael; larry.koehler@mcc.edu; Prysby, Mike (DEQ); Lawrence Reynolds; Mike Lane; Natasha Henderson; Norb Birchmeier; Robert Bincsik; Pete Levine; MVALACAK@gchd.us; Sean Kammer; Russell Hudson; Busch, Stephen (DEQ); rosejo@msu.edu; Thompson, Sheryl D. (DHHS); Samir Matta; Warren Green; swalser@senatedems.org; Karen Weaver; Prof. Susan Masten
Subject: Re: Technical Advisory Committee Meeting

This meeting should not be cancelled. There are still many issues that remain unanswered. At the least, we need to review the latest water quality results (Pb, chlorine residual, TTHM, etc.). Waiting until January is not appropriate when public health is of concern.

I understand the DPW is undergoing changes and this meeting may be difficult. However, if we are to provide technical advising we need to meet regularly and review data as it becomes available. I propose we meet as originally scheduled on Dec. 9th.

Shawn

Shawn P. McElmurry, Ph.D., P.E.
 Associate Professor
 Wayne State University
 Dept. of Civil and Environmental Engineering
 2158 Engineering Building
 5050 Anthony Wayne Dr.
 Detroit, Michigan 48202
 Phone: 313-577-3876
 Fax: 313-577-3881
 Skype: s.mcelmurry
www.eng.wayne.edu/mcelmurry

From: Andy Leavitt <aleavitt@senatedems.org>

Sent: Tuesday, November 24, 2015 9:51 AM

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

Subject: Re: Technical Advisory Committee Meeting

I echo Mr. Schock's sentiment. Seems like a great time to let the technical folks like he and others with a similar skill-set get past politics and focus on building public trust.

On Tue, Nov 24, 2015 at 9:42 AM Schock, Michael <Schock.Michael@epa.gov> wrote:

Mike;

That's unfortunate, we were planning our travel around the meeting, and it seems like there is a lot of coordination and planning to do for the many possible studies being proposed.

--Mike

Michael R. Schock

U.S. Environmental Protection Agency

ORD, NRMRL, WSWRD, TTEB

26 West Martin Luther King Drive

Cincinnati, OH 45220

Phone: 513.569.7412

schock.michael@epa.gov

"Let's eat grandma!" "Let's eat, grandma!" Respect grammar; commas save lives!

From: Michael Glasgow [mailto:mglasgow@cityofflint.com]

Sent: Friday, November 20, 2015 4:36 PM

To: Amy Hovey <Amy.Hovey@mail.house.gov>; Andy Leavitt <aaleavitt@senatedems.org>; Brent Wright <bwright@cityofflint.com>; Lytle, Darren <Lytle.Darren@epa.gov>; Deborah Higgins <DeborahC@mottchc.org>; donna.cole <donna.cole@genesys.org>; dykema <dykema@mich.gov>; Eden Wells (DHHS) <wellse3@michigan.gov>; edwardsm <edwardsm@vt.edu>; George Krisztian (DEQ) <krisztian@michigan.gov>; jmikewright <jmikewright@yahoo.com>; Gerald (Jed) Natzke <gdn2@aol.com>; James Henry <jhenry@gchd.us>; Jamie Gaskin <jgaskin@unitedwaygenesee.org>; John O'Brien <jfobrien@gcdcwss.com>; JoAnne Herman <jherman@genesys.org>; Kirk Smith <ksmith@flint.org>; Kevin J. Keane <KEVIN.KEANE@cmsenergy.com>; Lawrence Reynolds <reynolds@mottchc.org>; Laura Sullivan <dr.laura2@gmail.com>; Wright, Michael <Wright.Michael@epa.gov>; larry.koehler@mcc.edu; Mike Prysby (DEQ) <prysbym@michigan.gov>; Lawrence Reynolds <LawrenceR@mottchc.org>; Schock, Michael <Schock.Michael@epa.gov>; Mike Lane <mjlane@umflint.edu>; Natasha Henderson <nhenderson@cityofflint.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; Robert Bincsik <rbincsik@cityofflint.com>; Pete Levine <plevine@gcms.org>; MVALACAK@gchd.us; Sean Kammer <skammer@cityofflint.com>; Russell Hudson <Russell.Hudson@mclaren.org>; Stephen Busch (DEQ) <BUSCHS@michigan.gov>; rosejo@msu.edu; thompsons2@michigan.gov; Samir Matta <SMatta@lan-inc.com>; Shawn Patrick McElmurry <s.mcelmurry@wayne.edu>; Warren Green <jwgreen@lan-inc.com>; swalser@senatedems.org; Karen Weaver <kweaver@cityofflint.com>

Subject: Technical Advisory Committee Meeting

Advisory Team,

I am contacting everyone in regards to the Technical Advisory Committee meeting that is scheduled for December 9th at 2:00 p.m. At this time we have decided to postpone the meeting until after the start of the new year.

The city is on schedule to have the additional corrosion control measures in place in early December. We will update the committee on the implementation and the impacts we are observing throughout the water distribution system at the next scheduled meeting. We continue to have our City Hall lobby information window staffed along with an information screen, water filters, replacement cartridges, and sample bottles.

Sincerely,

--

Mike Glasgow

Utilities Administrator

City of Flint

1101 S. Saginaw St.

Flint, MI 48502

(810)766-7135 ext. 2602

From: Krisztian, George (DEQ)
Sent: Tuesday, November 24, 2015 1:57 PM
To: Sygo, Jim (DEQ)
Subject: FW: Technical Advisory Committee Meeting

More FYI

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

PPI

From: Laura Sullivan [<mailto:dr.laura2@gmail.com>]
Sent: Tuesday, November 24, 2015 12:20 PM
To: Michael Glasgow
Cc: Amy Hovey; Andy Leavitt; Brent Wright; Darren Lytle; Deborah Higgins; donna. cole; Dykema, Linda D. (DHHS); Wells, Eden (DHHS); edwardsm; Krisztian, George (DEQ); jmikewright; Gerald (Jed) Natzke; James Henry; Jamie Gaskin; John O'Brien; JoAnne Herman; Kirk Smith; Kevin J. Keane; Lawrence Reynolds; Michael Wright; larry.koehler@mcc.edu; Prysby, Mike (DEQ); Lawrence Reynolds; Schock, Michael; Mike Lane; Natasha Henderson; Norb Birchmeier; Robert Bincsik; Pete Levine; MVALACAK@gchd.us; Sean Kammer; Russell Hudson; Busch, Stephen (DEQ); rosejo@msu.edu; Thompson, Sheryl D. (DHHS); Samir Matta; Shawn Patrick McElmurry; Warren Green; swalser@senatedems.org; Karen Weaver
Subject: Re: Technical Advisory Committee Meeting

Mike,

Please share with the advisory team: who is "we," that should decide that it's wise to postpone our meeting? I haven't seen any information that gives me reason to postpone.

The status of leadership and water are both evolving daily. Best that the advisory board continues to meet regularly (and perhaps eve more frequently) and that the Dec 9 meeting not be postponed.

I'm grateful for the involvement of the EPA. Any time that they're available to meet with us, we should make full use of their help.

Laura Sullivan

On Friday, November 20, 2015, Michael Glasgow <mglasgow@cityofflint.com> wrote:
 Advisory Team,

I am contacting everyone in regards to the Technical Advisory Committee meeting that is scheduled for December 9th at 2:00 p.m. At this time we have decided to postpone the meeting until after the start of the new year.

The city is on schedule to have the additional corrosion control measures in place in early December. We will update the committee on the implementation and the impacts we are observing throughout the water distribution

system at the next scheduled meeting. We continue to have our City Hall lobby information window staffed along with an information screen, water filters, replacement cartridges, and sample bottles.

Sincerely,

--

Mike Glasgow
Utilities Administrator
City of Flint
1101 S. Saginaw St.
Flint, MI 48502
(810)766-7135 ext. 2602

--

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

Human(kind). Be both.

From: Krisztian, George (DEQ)
Sent: Monday, November 30, 2015 12:32 PM
To: Shaler, Karen (DEQ);Thelen, Mary Beth (DEQ)
Subject: Governor's report
Attachments: 11-23-2015 Flint Drinking Water Events Timeline.docx

Hi Karen,

The draft of the Governor's report has been posted and awaiting your review. Attached is a document to be included in this week's report.

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

PPI

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY FLINT DRINKING WATER EVENTS TIMELINE

Date	Event	Attachment
Pre-1967	Flint Water Treatment Plant in operation using Flint River for drinking water	1
Post-1967	Flint switched to Detroit Water and Sewerage Department for drinking water	None
January 2006	Discussions regarding Karegnondi Water Authority, <i>Preliminary Long-Term Water Supply for Genesee County</i>	2
June 25, 2009 September 2009	<i>Lake Huron Water Supply Study Karegnondi Water Authority Executive Summary and Preliminary Engineering Report</i>	3
March 2013	<i>Analysis of the Flint River as a Permanent Water Supply for the City of Flint</i> ; Prepared for: City of Flint dated July 2011	4
April 2013	Flint notifies Detroit Water and Sewerage Department of contract discontinuation and joins the Karegnondi Water Authority	5
April 2013	Detroit Water and Sewerage Department sets termination of Flint water service contract to April 17, 2014	6
June 2013	Flint notifies the Department of Environmental Quality of intent to operate Flint Water Treatment Plant full time using Flint River for drinking water	7
April 2014	The Michigan Department of Environmental Quality issues Flint Water Treatment Plant construction permits for full time operation enhancements W141025 and W141026	9
May 2014	Flint stops purchasing Detroit Water and Sewerage Department water. Starts using the City of Flint Water Treatment Plant and Flint River for drinking water	10
August 2014	Flint <i>E. coli</i> bacteria violation, Localized System Boil Water Advisory	11
September 2014	Disinfection Byproducts compliance communication; the Michigan Department of Environmental Quality requests preemptive Operational Evaluation	12
September 2014	Flint Total Coliform Bacteria violation, Localized System Boil Water Advisory	13

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY FLINT DRINKING WATER EVENTS TIMELINE

Date	Event	Attachment
October 2014	General Motors announces decision to stop using Flint River as source for production water	14
December 2014	Disinfection Byproducts quarterly violation begins	15
December 31, 2015	1st 6-month round of lead and copper monitoring ends. Results due from Flint to Michigan Department of Environmental Quality on January 10, 2015	None
January 21, 2015	City of Flint Public Meeting regarding disinfection byproducts and bacteria	17
February 26, 2015	E-mail from United States Environmental Protection Agency to Michigan Department of Environmental Quality regarding elevated lead sample	18
February 27, 2015	E-mail from United States Environmental Protection Agency to Michigan Department of Environmental Quality inquiring about Optimized Corrosion Control Treatment	19
February 27, 2015	Michigan Department of Environmental Quality response to United States Environmental Protection Agency email with statement regarding optimized corrosion control program	20
March 5, 2015	2nd Disinfection Byproducts quarterly violation notice	21
March 30, 2015	Michigan Department of Environmental Quality notifies Flint of Lead/Copper Monitoring Results.	16
April 3, 2015	Long Term 2 Enhanced Surface Water Treatment Rule Letter	22
April 6, 2015	Flint proposes installation of Granular Activated Carbon Filter media to reduce disinfection byproducts	23
April 23, 2015	United States Environmental Protection Agency e-mail to Michigan Department of Environmental Quality regarding corrosion control treatment	24
April 24, 2015 May 1, 2015	Michigan Department of Environmental Quality responds to United States Environmental Protection Agency regarding corrosion control treatment	25

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY FLINT DRINKING WATER EVENTS TIMELINE

Date	Event	Attachment
April 27, 2015	United States Environmental Protection Agency provided bottles to 212 Browning for lead/copper analyses	26
May 6, 2015	Lead service line replaced at 212 Browning. United States Environmental Protection Agency on-site	27
May 28, 2015	Internal United States Environmental Protection Agency e-mail regarding results at 212 Browning	29
June 9, 2015	3rd Disinfection Byproducts quarterly violation notice	30
June 10, 2015	Semi-Annual Conference call with United States Environmental Protection Agency	31
June 30, 2015	E-mail from United States Environmental Protection Agency scheduling conference call on July 21, 2015 regarding elevated lead result and concerns regarding corrosion control	32
June 30, 2015	2nd 6-month round of lead and copper monitoring ends. Results due from Flint to Michigan Department of Environmental Quality on July 10, 2015	None
July 9, 2015	Michigan Department of Environmental Quality informed that United States Environmental Protection Agency draft internal memo is on ACLU website	33
July 14, 2015	Michigan Department of Environmental Quality issues construction permit to Flint for Granular Activated Carbon filter media W151055	34
July 21, 2015	Conference call with United States Environmental Protection Agency (Lead and Copper Rule implementation and Flint) during which it informs Michigan Department of Environmental Quality its interpretation of Lead and Copper Rule	35
July 24, 2015	Michigan Department of Environmental Quality e-mail and draft letter 90th percentile lead determination = 11 parts per billion and City of Flint requirement to add corrosion control treatment	36

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY FLINT DRINKING WATER EVENTS TIMELINE

Date	Event	Attachment
July 28, 2015	Michigan Department of Environmental Quality received blood lead level information from Michigan Department of Health and Human Services indicating that results since the switch to the Flint River are consistent with past years seasonal variations	37
August 4, 2015	Meeting with city representatives at Governor's office	38
August 17, 2015	Michigan Department of Environmental Quality notifies Flint of lead/copper monitoring results and requires City to install corrosion control treatment	39
August 23, 2015	Michigan Department of Environmental Quality notified by an external party that a water quality study was about to begin in Flint	40
September 2, 2015	Disinfection Byproducts return to compliance	43
September 11, 2015	United States Environmental Protection Agency e-mail confirming that Michigan Department of Environmental Quality was never sent the draft June 24, 2015 memo	44
September 21, 2015	Meeting with Congressional representatives, legislators, United States Environmental Protection Agency and Michigan Department of Environmental Quality to discuss issues with water quality in Flint	45
September 22, 2015	Meeting/Conference call with Michigan Department of Health and Human Services, Genesee County Health Department, and Michigan Department of Environmental Quality to discuss lead education/outreach	46
September 24, 2015	Hurley Children's Hospital data reveals elevated blood lead levels in Flint children	47
September 24, 2015	Michigan Department of Health and Human Services response affirms State blood lead level data is more comprehensive than Hurley Hospital data	None

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY FLINT DRINKING WATER EVENTS TIMELINE

Date	Event	Attachment
September 25, 2015	Flint issues Lead Advisory regarding drinking water	48
October 1, 2015	State Chief Medical Officer confirms Hurley blood lead level data	None
October 1, 2015	Genesee County Health Department issues "Do Not Drink" Advisory	49
October 2, 2015	Michigan Department of Environmental Quality and Michigan Department of Health and Human Services press conference. Governor's Flint Action Plan announced.	50
October 2, 2015	Genesee County Health Department school screening water samples collected for lead analysis	51
October 8, 2015	Governor Press Conference: Flint to reconnect to Great Lakes Water Authority/Detroit Water and Sewerage Department	52
October 15, 2015	State Legislature authorizes a \$9 million to assist the City of Flint to pay for the return to the Detroit water system and to fund staff at schools to gauge lead exposure	None
October 16, 2015	First weekly coordination meeting held between the City of Flint and state agencies	None
October 16, 2015	Michigan Department of Environmental Quality meets with Flint Schools Superintendent and Genesee County Health Department	None
October 16, 2015	Flint switches back to Detroit Water and Sewerage Department for water	53
October 21, 2015	Governor Snyder announces formation of Flint Water Task Force to complete an After-Action Review	None
October 28, 2015	Michigan Department of Environmental Quality issues construction permit for additional corrosion control treatment W151104	54
October 30, 2015	Michigan Department of Environmental Quality letter to Flint regarding corrosion control treatment operation	55

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY FLINT DRINKING WATER EVENTS TIMELINE

Date	Event	Attachment
November 3, 2015	United States Environmental Protection Agency Memorandum regarding "Lead and Copper Rule Requirements for Optimal Corrosion Control Treatment for Large Drinking Water Systems"	56
November 4, 2015	United States Environmental Protection Agency Memorandum regarding "Transmittal of Final Report – High Lead at Three Residences in Flint, Michigan"	57
Mid-Late 2016	Planned connection to Karegnondi Water Authority (Lake Huron water to Flint Water Treatment Plant)	None

From: Krisztian, George (DEQ)
Sent: Monday, November 30, 2015 1:06 PM
To: Shaler, Karen (DEQ)
Subject: Additional attachment
Attachments: EisenhowerElementary_Report.pdf

Importance: High

Please include this with the Governor's report.

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

PPI

EISENHOWER ELEMENTARY SCHOOL

Outlet Sampling and Plumbing Assessment Recommendations

1235 Pershing Street, Flint, Michigan 48503



BACKGROUND INFORMATION

On Friday, October 30, 2015, the Department of Licensing and Regulatory Affairs (DLARA) and the Department of Environmental Quality (DEQ) conducted an assessment of Eisenhower Elementary School's plumbing system to gain a comprehensive understanding of how water moves through the building and what types of plumbing materials are used. Two outlet buildings in addition to the main school building were included in the assessment. The assessment identified the following potential sources of lead leaching into drinking water:

- Lead solder joints on copper piping
- Brass valves and brass fittings
- Brass components in fixtures
- Galvanized piping

The assessment also identified 43 faucets or fountains that provide water for drinking, cooking, and/or food preparation, 37 faucets/fountains in the main school building, four faucets/fountains in out building unit 1, and two faucets/fountains in out building unit 2. The team developed a sequence for sampling the faucets/fountains in each building based on how the water travels through each building.

On Saturday, October 31, 2015, the DEQ and the DLARA completed sampling of the 37 faucets/fountains in the main school building, the four faucets/fountains in out building unit 1, and the two faucets/fountains in out building unit 2, each in the order determined by the plumbing assessment from the previous day, following a stagnation period of over 12 hours. At each of the 43 faucets/fountains identified, staff collected four samples. Two initial, 125-milliliter samples (P1 and P2), were collected immediately after turning on the tap. The water was then flushed for 30 seconds and a third, 125-milliliter sample (F01) was collected. Finally, the water was flushed for another two minutes, and the fourth 125-milliliter sample (F02) was collected. These samples were used to determine the impact of any lead sources in and around each specific faucet/fountain and its connecting plumbing.

The DEQ and the DLARA then completed consecutive sampling at three of the 37 faucets/fountains in the main school building, one of the four faucets/fountains in out building unit 1, and one of the two faucets/fountains in out building unit 2, five sites in total. This consecutive sampling was used to determine the impact of any lead sources located deep in the supply plumbing at each of these buildings. The three sites in the main school building included one site near the building service line, one site near the plumbing mid-point, and one site at the far end of the plumbing system. At each of these five sites, staff collected 10, 1-liter samples. The 10 samples were collected immediately after turning on the tap, and consecutively, without any flushing time in between.

WATER SERVICE INFORMATION

A four-inch diameter cast iron water service line enters the main school building in the boiler room northwest wall located in the west corner of the building. Piping in the boiler room immediately transitions into galvanized metal piping for cold water lines. Three separate galvanized cold water supply lines exit the boiler room. One in the north corner serves a single hose bib directly outside the boiler room. A second line exits the southeast wall and serves the adjacent janitors closet and dressing room bathrooms. The third line exits the boiler room on the northeast side through a utility tunnel that runs below the school hallways and serves all rooms in the main school building. This supply line then runs between the first and second floors on the southeast end of

the building. Copper piping with lead solder joints branches off of the galvanized supply line for cold water supply to each room. Hot water is distributed in continuous loops that feed from and return to a central water heater in the boiler room. Hot water piping material, where exposed, was copper piping with lead solder joints. Brass valves were seen throughout the building.

Out building unit 1 has a separate customer service line from the City water main constructed using copper piping material. The service line comes out of the ground beneath the building and within the building is copper pipe with lead free solder joints.

Out building unit 2 has a separate customer service line from the City water main constructed using copper piping material. The service line comes out of the ground beneath the building and within the building is copper pipe with lead free solder joints.

Outlets With Lead Levels Greater Than 15 Parts per Billion

The DEQ recommends school facilities take action if samples from any drinking water outlets show lead levels greater than 15 parts per billion. Based on the sampling conducted at 43 faucets/fountains on October 31, 2015, the following 18 drinking water outlets had lead water level results greater than 15 parts per billion. Each of these 18 outlets is listed below with its sample results, including a description of the potential source(s) of lead, and recommended actions for the school to take.

Outlet: Bubbler Drinking Fountain (01DW001)

Location: West corner, Gymnasium Multipurpose Room

Results: P1=32 parts per billion, P2=6 parts per billion
F01=5 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass and is believed to have a brass valve. The connection piping with the unit may also contain some brass components.

Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.



Outlet: Water Cooler Fountain (01WC002)

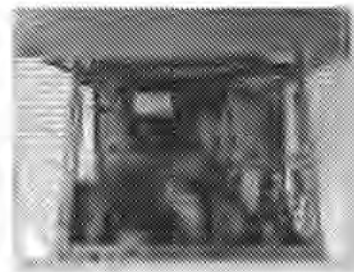
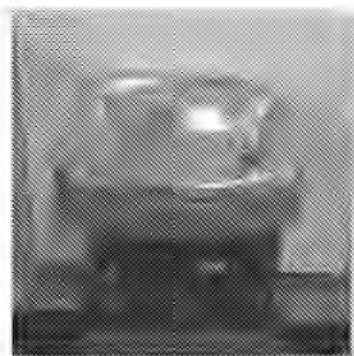
Location: Hallway between Gym and Auditorium, northeast side

Results: P1=17 parts per billion, P2=17 parts per billion

F01=12 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the water cooler unit. The water cooler is an Elkay model LKEZFS8. This model contains some brass components. Connecting plumbing to the cooler unit may also contain brass components.

Replacement of the entire unit is recommended and will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

**Outlet: Sink Faucet (01CF004)**

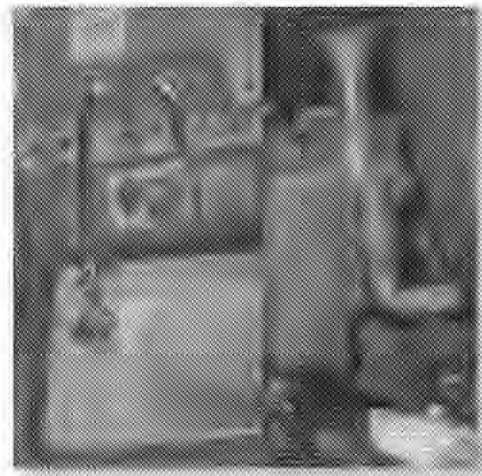
Location: Classroom 109, northwest wall

Results: P1=17 parts per billion, P2=10 parts per billion

F01=1 part per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Hot and cold water lines connect to this faucet with a brass mixer fitting under the sink. Connecting plumbing in the cabinet under the sink may also contain additional brass components.

Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.



This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Bubbler Fountain (02DW020)

Location: Classroom 201, southeast wall

Results: P1=37 parts per billion, P2=24 parts per billion
F01=2 parts per billion, F02=non-detect

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. The bubbler also has a chrome plated brass flow regulator installed between the operating valve and the outlet. The connecting plumbing is copper with lead solder and includes a brass shut off valve.



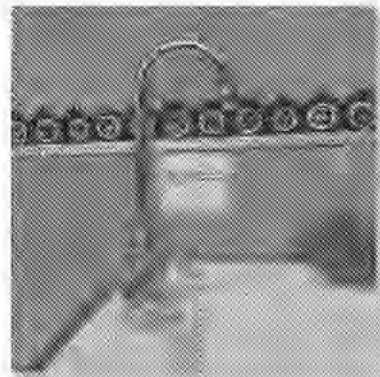
Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (02CF022)

Location: Classroom 202, northwest wall

Results: P1=7 parts per billion, P2=24 parts per billion
F01=2 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors; copper piping with lead solder and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Bubbler Fountain (01DW013)

Location: Classroom 104, southwest wall

Results: P1=43 parts per billion, P2=106 parts per billion

F01=3 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors; copper piping with lead solder, and a brass shut off valve.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (01CF014)

Location: Classroom 104, southwest wall

Results: P1=36 parts per billion, P2=36 parts per billion

F01=2 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors; copper piping with lead solder and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Bubbler Fountain (02DW027)

Location: Classroom 204, southwest wall

Results: P1=18 parts per billion, P2=8 parts per billion

F01=2 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. The bubbler also has a chrome plated brass flow regulator installed between the operating valve and the outlet. The connecting plumbing is copper with lead solder and includes a brass shut off valve.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Fountain (02DW029)

Location: Classroom 205, northeast wall

Results: P1=39 parts per billion, P2=14 parts per billion

F01=11 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors and copper piping with lead solder.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

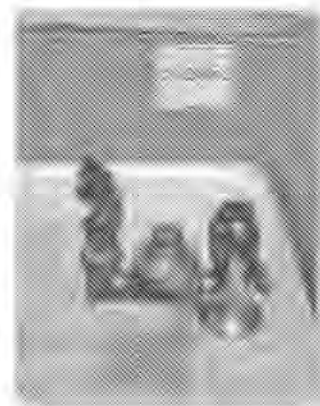
Outlet: Bubbler Fountain (02DW031)

Location: Classroom 206, southwest wall

Results: P1=84 parts per billion, P2=7 parts per billion

F01=1 part per billion, F02=non-detect

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. The bubbler also has a chrome plated brass flow regulator installed between the operating valve and the outlet. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (01CF016)

Location: Classroom 106, northeast wall

Results: P1=402 parts per billion, P2=61 parts per billion

F01=4 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is partly made up of brass connectors; copper piping with lead solder, and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

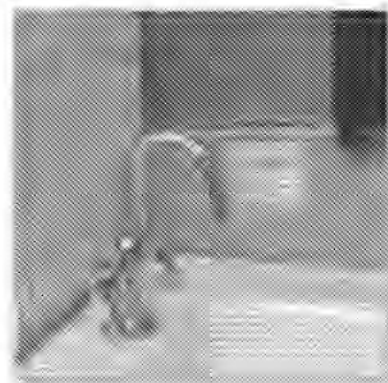
This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Sink Faucet (02CF032)

Location: Classroom 207, northeast wall

Results: P1=21 parts per billion, P2=23 parts per billion
F01=5 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is partly made up of brass connectors; copper piping with lead solder, and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Fountain (02DW033)

Location: Classroom 207, northeast wall

Results: P1=20 parts per billion, P2=4 parts per billion
F01=3 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. Parts of this bubbler fixture are made of brass and it has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink is partly made up of brass connectors; copper piping with lead solder, and a brass shut off valve.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Fountain (02DW035)

Location: Classroom 208, southwest wall

Results: P1=12 parts per billion, P2=19 parts per billion
F01=6 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.

Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

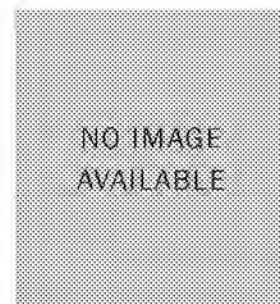
**Outlet: Sink Faucet (02CF034)**

Location: Classroom 208, southwest wall

Results: P1=19 parts per billion, P2=12 parts per billion
F01=3 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.

Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.



Outlet: Kitchen Faucet (01KC019)

Location: Room 108, southwest wall

Results: P1=17 parts per billion, P2=5 parts per billion
F01=4 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. This fixture appears to be a Delta two handled faucet. This model faucet typically has a brass tube in its deck body and may contain some additional brass components. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

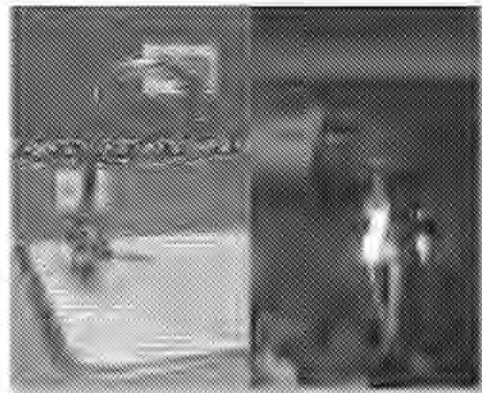
This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Sink Faucet (02CF036)

Location: Classroom 209, southwest wall

Results: P1=7 parts per billion, P2=21 parts per billion
F01=5 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Hot and cold water lines connect to this faucet with a brass mixer fitting under the sink. Connecting plumbing in the cabinet under the sink may also contain additional brass connectors and copper plumbing with lead solder.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

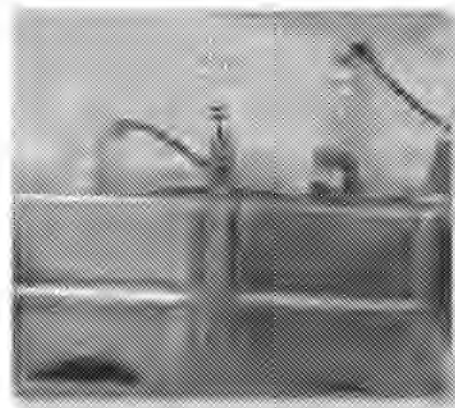
This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Kitchen Faucet, Left (04KC043)

Location: Outbuilding Unit 2 DHHS Office

Results: P1=17 parts per billion, P2=3 parts per billion
F01=2 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The faucet is a Delta 400. This model faucet valve has brass components. This style faucet also has a mixing valve that may allow mixing of hot and cold water. Connecting plumbing in the cabinet under the sink may also contain brass components.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlets With Lead Levels 15 Parts per Billion or Less

While the remaining 25 outlets showed sample results to be at levels requiring no further action, several recommendations have been identified.

The fourth sample (F02) at all 43 outlets following approximately 3 minutes of use and flushing at a reduced flow resulted in reduced lead concentrations of 3 parts per billion or less. This indicates that flushing of all taps used for drinking, cooking, and/or food preparation for 4 minutes following periods of stagnation will further reduce lead exposure. It is recommended that a flushing operational procedure be developed for use by staff responsible for plumbing operations and maintenance with emphasis on flushing after weekends and holidays.

Seventeen of these twenty five outlets are comprised of similar materials as the outlets listed above and could potentially experience higher lead levels under extended periods of stagnation. These faucets/fountains include:

- Sink Side Bubbler Units in Classroom 109 (01DW003), Classroom 101 (01DW007), Classroom 102 (01DW009), Classroom 202 (02DW023), Classroom 103 (01DW011), Classroom 203 (02DW025), Classroom 106 (01DW015), Classroom 107 (01DW017), and Classroom 209 (02DW037)
- Chrome Plated Brass Base Faucets in Classroom 101 (01CF008), Classroom 201 (02CF021), Classroom 103 (01CF012), Classroom 203 (02CF024), Classroom 204 (02CF026), Classroom 205 (02CF028), and Classroom 107 (01CF018)
- Delta 400 Model Faucet in Out Building Unit 2 (04KC044)

Replacement of these fixtures with lead free materials is also recommended.

The remaining eight outlets showed sample results of 15 parts per billion or less, requiring no further action or additional recommendations. These faucets/fountains include:

- Sink Faucets in Classroom 102 (01CF010) and the Clinic (01CF006)
- Kitchen Faucets in the Community Room Kitchen (01KC005), Classroom 206 (02CF030), Out Building Unit 1 (03KC040 and 03KC041)
- Water Coolers in Out Building Unit 1 (03DW038 and 03DW039)

Consecutive Sampling Results and Building Plumbing Recommendations

The consecutive samples taken on October 31, 2015, at three sites in the main school building and one site from each of the two out building units all provide additional confirmation that the highest contribution of lead appears to be from the individual faucet/fountains and not from the larger diameter supply plumbing within the main school building or the two out building units. Results of the consecutive sample monitoring are listed in the table below.

Consecutive Sample ID	1	2	3	4	5	6	7	8	9	10
LOCATION	LEAD RESULT (PARTS PER BILLION; ND = NOT-DETECTED)									
Classroom 109 Sink Faucet (01CF004)	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Classroom 102 Sink Faucet (01CF010)	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Classroom 209 Sink Faucet (02CF036)	3	1	1	1	ND	ND	ND	ND	ND	ND
Out Building Unit 1 Kitchen Faucet (03KC040)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Out Building Unit 2 Kitchen Faucet (04KC044)	2	ND	ND	ND	ND	ND	1	1	ND	ND

Outlets With Copper Levels Greater Than 1.3 Parts per Million

The DEQ recommends school facilities take action if samples from any drinking water outlets show copper levels greater than 1.3 parts per million. Based on the sampling conducted at 43 faucets/fountains on October 31, 2015, the following two drinking water outlets both located in Outbuilding Unit 1, had copper water level results greater than 1.3 parts per million. These two outlets are listed below with their sample results. While the remaining two outlets in Outbuilding Unit 1 had satisfactory copper results, copper results from all four outlets in Outbuilding Unit 1, along with the consecutive sample results for Outbuilding Unit 1, suggests that copper leaching is occurring in the building plumbing and copper service line due to excessive stagnation and lack of use. Additional work with the school will be performed by the DEQ to address this issue.

Outlet: Kitchen Faucet, Left (03KC041)

Location: Outbuilding Unit 1, Proposed Preschool

Results: P1=0.33 parts per million, P2=1.84 parts per million
F01=1.07 parts per million, F02=1.12 parts per million



Outlet: Water Cooler, Left (03DW038)

Location: Outbuilding Unit 1, Proposed Preschool

Results: P1=2.77 parts per million, P2=1.37 parts per million
F01=1.2 parts per million, F02=1.03 parts per million



From: Krisztian, George (DEQ)
Sent: Tuesday, December 01, 2015 8:34 AM
To: Sygo, Jim (DEQ);Edgerton, Shelly (LARA);Dykema, Linda D. (DHHS)
Subject: Eisenhower Report
Attachments: EisenhowerElementary_Report.pdf; Eisenhower Spreadsheet.pdf

Per our conference call, please find attached the final report for Eisenhower Elementary.

Please note that this information has not been published to the website yet and is therefore for your eyes only at this point.

Thank you
George

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

PPI

EISENHOWER ELEMENTARY SCHOOL

Outlet Sampling and Plumbing Assessment Recommendations

1235 Pershing Street, Flint, Michigan 48503



BACKGROUND INFORMATION

On Friday, October 30, 2015, the Department of Licensing and Regulatory Affairs (DLARA) and the Department of Environmental Quality (DEQ) conducted an assessment of Eisenhower Elementary School's plumbing system to gain a comprehensive understanding of how water moves through the building and what types of plumbing materials are used. Two outlet buildings in addition to the main school building were included in the assessment. The assessment identified the following potential sources of lead leaching into drinking water:

- Lead solder joints on copper piping
- Brass valves and brass fittings
- Brass components in fixtures
- Galvanized piping

The assessment also identified 43 faucets or fountains that provide water for drinking, cooking, and/or food preparation, 37 faucets/fountains in the main school building, four faucets/fountains in out building unit 1, and two faucets/fountains in out building unit 2. The team developed a sequence for sampling the faucets/fountains in each building based on how the water travels through each building.

On Saturday, October 31, 2015, the DEQ and the DLARA completed sampling of the 37 faucets/fountains in the main school building, the four faucets/fountains in out building unit 1, and the two faucets/fountains in out building unit 2, each in the order determined by the plumbing assessment from the previous day, following a stagnation period of over 12 hours. At each of the 43 faucets/fountains identified, staff collected four samples. Two initial, 125-milliliter samples (P1 and P2), were collected immediately after turning on the tap. The water was then flushed for 30 seconds and a third, 125-milliliter sample (F01) was collected. Finally, the water was flushed for another two minutes, and the fourth 125-milliliter sample (F02) was collected. These samples were used to determine the impact of any lead sources in and around each specific faucet/fountain and its connecting plumbing.

The DEQ and the DLARA then completed consecutive sampling at three of the 37 faucets/fountains in the main school building, one of the four faucets/fountains in out building unit 1, and one of the two faucets/fountains in out building unit 2, five sites in total. This consecutive sampling was used to determine the impact of any lead sources located deep in the supply plumbing at each of these buildings. The three sites in the main school building included one site near the building service line, one site near the plumbing mid-point, and one site at the far end of the plumbing system. At each of these five sites, staff collected 10, 1-liter samples. The 10 samples were collected immediately after turning on the tap, and consecutively, without any flushing time in between.

WATER SERVICE INFORMATION

A four-inch diameter cast iron water service line enters the main school building in the boiler room northwest wall located in the west corner of the building. Piping in the boiler room immediately transitions into galvanized metal piping for cold water lines. Three separate galvanized cold water supply lines exit the boiler room. One in the north corner serves a single hose bib directly outside the boiler room. A second line exits the southeast wall and serves the adjacent janitors closet and dressing room bathrooms. The third line exits the boiler room on the northeast side through a utility tunnel that runs below the school hallways and serves all rooms in the main school building. This supply line then runs between the first and second floors on the southeast end of

the building. Copper piping with lead solder joints branches off of the galvanized supply line for cold water supply to each room. Hot water is distributed in continuous loops that feed from and return to a central water heater in the boiler room. Hot water piping material, where exposed, was copper piping with lead solder joints. Brass valves were seen throughout the building.

Out building unit 1 has a separate customer service line from the City water main constructed using copper piping material. The service line comes out of the ground beneath the building and within the building is copper pipe with lead free solder joints.

Out building unit 2 has a separate customer service line from the City water main constructed using copper piping material. The service line comes out of the ground beneath the building and within the building is copper pipe with lead free solder joints.

Outlets With Lead Levels Greater Than 15 Parts per Billion

The DEQ recommends school facilities take action if samples from any drinking water outlets show lead levels greater than 15 parts per billion. Based on the sampling conducted at 43 faucets/fountains on October 31, 2015, the following 18 drinking water outlets had lead water level results greater than 15 parts per billion. Each of these 18 outlets is listed below with its sample results, including a description of the potential source(s) of lead, and recommended actions for the school to take.

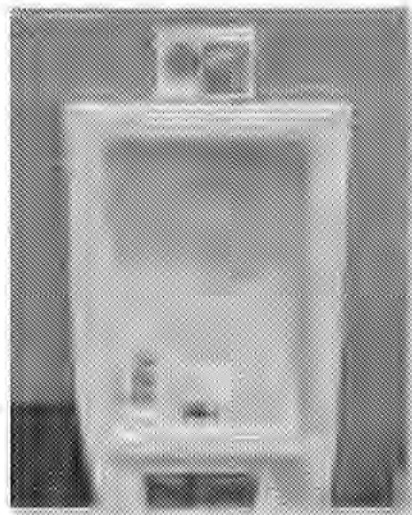
Outlet: Bubbler Drinking Fountain (01DW001)

Location: West corner, Gymnasium Multipurpose Room

Results: P1=32 parts per billion, P2=6 parts per billion
F01=5 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass and is believed to have a brass valve. The connection piping with the unit may also contain some brass components.

Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.



Outlet: Water Cooler Fountain (01WC002)

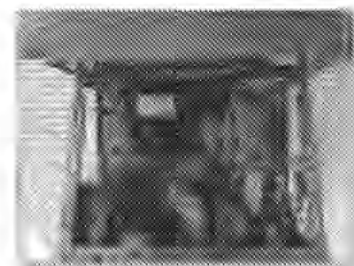
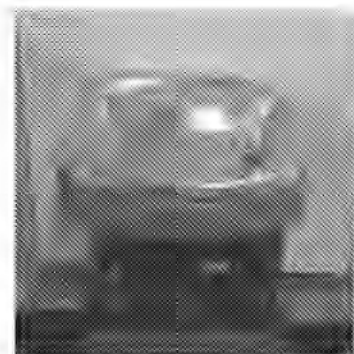
Location: Hallway between Gym and Auditorium, northeast side

Results: P1=17 parts per billion, P2=17 parts per billion

F01=12 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the water cooler unit. The water cooler is an Elkay model LKEZFS8. This model contains some brass components. Connecting plumbing to the cooler unit may also contain brass components.

Replacement of the entire unit is recommended and will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

**Outlet: Sink Faucet (01CF004)**

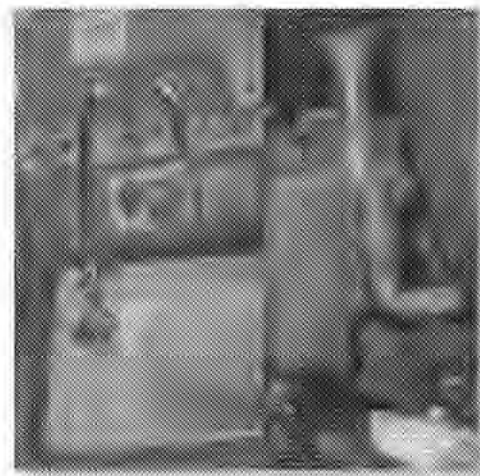
Location: Classroom 109, northwest wall

Results: P1=17 parts per billion, P2=10 parts per billion

F01=1 part per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Hot and cold water lines connect to this faucet with a brass mixer fitting under the sink. Connecting plumbing in the cabinet under the sink may also contain additional brass components.

Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.



This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Bubbler Fountain (02DW020)

Location: Classroom 201, southeast wall

Results: P1=37 parts per billion, P2=24 parts per billion
F01=2 parts per billion, F02=non-detect

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. The bubbler also has a chrome plated brass flow regulator installed between the operating valve and the outlet. The connecting plumbing is copper with lead solder and includes a brass shut off valve.



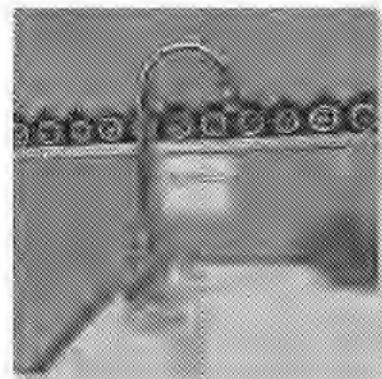
Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (02CF022)

Location: Classroom 202, northwest wall

Results: P1=7 parts per billion, P2=24 parts per billion
F01=2 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors; copper piping with lead solder and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Bubbler Fountain (01DW013)

Location: Classroom 104, southwest wall

Results: P1=43 parts per billion, P2=106 parts per billion

F01=3 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors; copper piping with lead solder, and a brass shut off valve.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (01CF014)

Location: Classroom 104, southwest wall

Results: P1=36 parts per billion, P2=36 parts per billion

F01=2 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors; copper piping with lead solder and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Bubbler Fountain (02DW027)

Location: Classroom 204, southwest wall

Results: P1=18 parts per billion, P2=8 parts per billion

F01=2 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. The bubbler also has a chrome plated brass flow regulator installed between the operating valve and the outlet. The connecting plumbing is copper with lead solder and includes a brass shut off valve.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Fountain (02DW029)

Location: Classroom 205, northeast wall

Results: P1=39 parts per billion, P2=14 parts per billion

F01=11 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink is made up of brass connectors and copper piping with lead solder.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

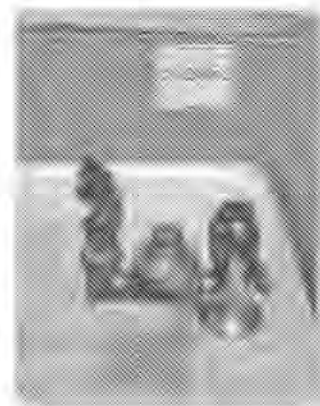
Outlet: Bubbler Fountain (02DW031)

Location: Classroom 206, southwest wall

Results: P1=84 parts per billion, P2=7 parts per billion

F01=1 part per billion, F02=non-detect

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. The bubbler also has a chrome plated brass flow regulator installed between the operating valve and the outlet. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (01CF016)

Location: Classroom 106, northeast wall

Results: P1=402 parts per billion, P2=61 parts per billion

F01=4 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is partly made up of brass connectors; copper piping with lead solder, and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

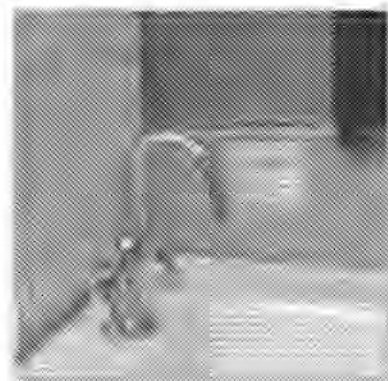
This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Sink Faucet (02CF032)

Location: Classroom 207, northeast wall

Results: P1=21 parts per billion, P2=23 parts per billion
F01=5 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink is partly made up of brass connectors; copper piping with lead solder, and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Fountain (02DW033)

Location: Classroom 207, northeast wall

Results: P1=20 parts per billion, P2=4 parts per billion
F01=3 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. Parts of this bubbler fixture are made of brass and it has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink is partly made up of brass connectors; copper piping with lead solder, and a brass shut off valve.



Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Fountain (02DW035)

Location: Classroom 208, southwest wall

Results: P1=12 parts per billion, P2=19 parts per billion
F01=6 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the bubbler and its connecting plumbing. This bubbler fixture is made of chrome plated brass and has a brass connector on the underside of the sink. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.

Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

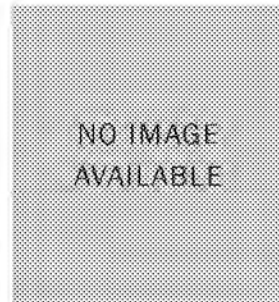
**Outlet: Sink Faucet (02CF034)**

Location: Classroom 208, southwest wall

Results: P1=19 parts per billion, P2=12 parts per billion
F01=3 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.

Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.



Outlet: Kitchen Faucet (01KC019)

Location: Room 108, southwest wall

Results: P1=17 parts per billion, P2=5 parts per billion
F01=4 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. This fixture appears to be a Delta two handled faucet. This model faucet typically has a brass tube in its deck body and may contain some additional brass components. Connecting plumbing in the cabinet under the sink should be checked for brass components and copper piping with lead solder.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

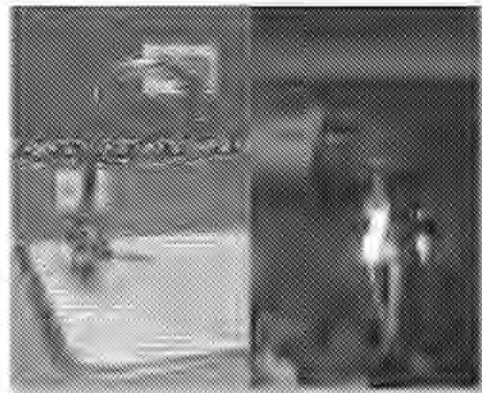
This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Sink Faucet (02CF036)

Location: Classroom 209, southwest wall

Results: P1=7 parts per billion, P2=21 parts per billion
F01=5 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Hot and cold water lines connect to this faucet with a brass mixer fitting under the sink. Connecting plumbing in the cabinet under the sink may also contain additional brass connectors and copper plumbing with lead solder.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

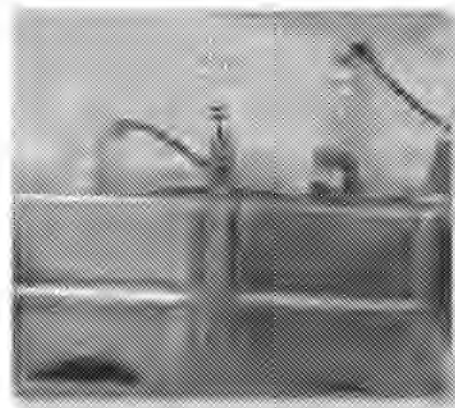
This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Kitchen Faucet, Left (04KC043)

Location: Outbuilding Unit 2 DHHS Office

Results: P1=17 parts per billion, P2=3 parts per billion
F01=2 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The faucet is a Delta 400. This model faucet valve has brass components. This style faucet also has a mixing valve that may allow mixing of hot and cold water. Connecting plumbing in the cabinet under the sink may also contain brass components.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for 3 minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlets With Lead Levels 15 Parts per Billion or Less

While the remaining 25 outlets showed sample results to be at levels requiring no further action, several recommendations have been identified.

The fourth sample (F02) at all 43 outlets following approximately 3 minutes of use and flushing at a reduced flow resulted in reduced lead concentrations of 3 parts per billion or less. This indicates that flushing of all taps used for drinking, cooking, and/or food preparation for 4 minutes following periods of stagnation will further reduce lead exposure. It is recommended that a flushing operational procedure be developed for use by staff responsible for plumbing operations and maintenance with emphasis on flushing after weekends and holidays.

Seventeen of these twenty five outlets are comprised of similar materials as the outlets listed above and could potentially experience higher lead levels under extended periods of stagnation. These faucets/fountains include:

- Sink Side Bubbler Units in Classroom 109 (01DW003), Classroom 101 (01DW007), Classroom 102 (01DW009), Classroom 202 (02DW023), Classroom 103 (01DW011), Classroom 203 (02DW025), Classroom 106 (01DW015), Classroom 107 (01DW017), and Classroom 209 (02DW037)
- Chrome Plated Brass Base Faucets in Classroom 101 (01CF008), Classroom 201 (02CF021), Classroom 103 (01CF012), Classroom 203 (02CF024), Classroom 204 (02CF026), Classroom 205 (02CF028), and Classroom 107 (01CF018)
- Delta 400 Model Faucet in Out Building Unit 2 (04KC044)

Replacement of these fixtures with lead free materials is also recommended.

The remaining eight outlets showed sample results of 15 parts per billion or less, requiring no further action or additional recommendations. These faucets/fountains include:

- Sink Faucets in Classroom 102 (01CF010) and the Clinic (01CF006)
- Kitchen Faucets in the Community Room Kitchen (01KC005), Classroom 206 (02CF030), Out Building Unit 1 (03KC040 and 03KC041)
- Water Coolers in Out Building Unit 1 (03DW038 and 03DW039)

Consecutive Sampling Results and Building Plumbing Recommendations

The consecutive samples taken on October 31, 2015, at three sites in the main school building and one site from each of the two out building units all provide additional confirmation that the highest contribution of lead appears to be from the individual faucet/fountains and not from the larger diameter supply plumbing within the main school building or the two out building units. Results of the consecutive sample monitoring are listed in the table below.

Consecutive Sample ID	1	2	3	4	5	6	7	8	9	10
LOCATION	LEAD RESULT (PARTS PER BILLION; ND = NOT-DETECTED)									
Classroom 109 Sink Faucet (01CF004)	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Classroom 102 Sink Faucet (01CF010)	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Classroom 209 Sink Faucet (02CF036)	3	1	1	1	ND	ND	ND	ND	ND	ND
Out Building Unit 1 Kitchen Faucet (03KC040)	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Out Building Unit 2 Kitchen Faucet (04KC044)	2	ND	ND	ND	ND	ND	1	1	ND	ND

Outlets With Copper Levels Greater Than 1.3 Parts per Million

The DEQ recommends school facilities take action if samples from any drinking water outlets show copper levels greater than 1.3 parts per million. Based on the sampling conducted at 43 faucets/fountains on October 31, 2015, the following two drinking water outlets both located in Outbuilding Unit 1, had copper water level results greater than 1.3 parts per million. These two outlets are listed below with their sample results. While the remaining two outlets in Outbuilding Unit 1 had satisfactory copper results, copper results from all four outlets in Outbuilding Unit 1, along with the consecutive sample results for Outbuilding Unit 1, suggests that copper leaching is occurring in the building plumbing and copper service line due to excessive stagnation and lack of use. Additional work with the school will be performed by the DEQ to address this issue.

Outlet: Kitchen Faucet, Left (03KC041)

Location: Outbuilding Unit 1, Proposed Preschool

Results: P1=0.33 parts per million, P2=1.84 parts per million
F01=1.07 parts per million, F02=1.12 parts per million



Outlet: Water Cooler, Left (03DW038)

Location: Outbuilding Unit 1, Proposed Preschool

Results: P1=2.77 parts per million, P2=1.37 parts per million
F01=1.2 parts per million, F02=1.03 parts per million



Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Location	Sample Description	Site Code	Site Code Description
Lead	0.036	Copper	0.15	Classroom 104	01CF014	P1	First Primary draw of 125 milliliters
Lead	0.036	Copper	0.12	Classroom 104	01CF014	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	Classroom 104	01CF014	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	Classroom 104	01CF014	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.009	Copper	0.07	Classroom 201	02CF021	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.07	Classroom 201	02CF021	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	Classroom 201	02CF021	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 201	02CF021	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.08	Classroom 202	02DW023	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.09	Classroom 202	02DW023	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	Classroom 202	02DW023	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 202	02DW023	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.013	Copper	0.21	Classroom 102	01CF010	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.08	Classroom 102	01CF010	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	Classroom 102	01CF010	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 102	01CF010	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.043	Copper	0.17	Classroom 104	01DW013	P1	First Primary draw of 125 milliliters
Lead	0.106	Copper	0.24	Classroom 104	01DW013	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.00	Classroom 104	01DW013	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	Classroom 104	01DW013	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.037	Copper	0.09	Classroom 201	02DW020	P1	First Primary draw of 125 milliliters
Lead	0.024	Copper	0.1	Classroom 201	02DW020	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	Classroom 201	02DW020	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 201	02DW020	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.1	Classroom 103	01CF012	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.08	Classroom 103	01CF012	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	Classroom 103	01CF012	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	Classroom 103	01CF012	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.009	Copper	0.18	Classroom 102	01DW009	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.08	Classroom 102	01DW009	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	Classroom 102	01DW009	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 102	01DW009	F02	Flush Sample taken 2 minutes after First Flush

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

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ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Location	Sample Description	Site Code	Site Code Description
Lead	0.013	Copper	0.06	Classroom 103	01DW011	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.00	Classroom 103	01DW011	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	Classroom 103	01DW011	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	Classroom 103	01DW011	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.007	Copper	0.19	Classroom 202	02CF022	P1	First Primary draw of 125 milliliters
Lead	0.024	Copper	0.19	Classroom 202	02CF022	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.3	Classroom 202	02CF022	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.12	Classroom 202	02CF022	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.15	Classroom 101	01CF008	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.11	Classroom 101	01CF008	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	Classroom 101	01CF008	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	Classroom 101	01CF008	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.011	Copper	0.11	Classroom 101	01DW007	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.11	Classroom 101	01DW007	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	Classroom 101	01DW007	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 101	01DW007	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.032	Copper	0.31	Gym	01DW001	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.13	Gym	01DW001	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.1	Gym	01DW001	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.08	Gym	01DW001	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.017	Copper	0.22	Classroom 109	01CF004	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.15	Classroom 109	01CF004	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	Classroom 109	01CF004	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.08	Classroom 109	01CF004	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.013	Copper	0.15	Classroom 109	01DW003	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.08	Classroom 109	01DW003	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	Classroom 109	01DW003	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.05	Classroom 109	01DW003	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.12	Clinic	01CF006	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.16	Clinic	01CF006	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.07	Clinic	01CF006	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.05	Clinic	01CF006	F02	Flush Sample taken 2 minutes after First Flush

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ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Location	Sample Description	Site Code	Site Code Description
Lead	0.017	Copper	0.48	Outbuilding Unit 2	04KC043	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.72	Outbuilding Unit 2	04KC043	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.65	Outbuilding Unit 2	04KC043	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	1.04	Outbuilding Unit 2	04KC043	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.000	Copper	1.08	Outbuilding Unit 1	03DW039	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	1.03	Outbuilding Unit 1	03DW039	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	1.04	Outbuilding Unit 1	03DW039	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.65	Outbuilding Unit 1	03DW039	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.004	Copper	0.2	Community Room Kitchen	01KC005	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.13	Community Room Kitchen	01KC005	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	Community Room Kitchen	01KC005	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Community Room Kitchen	01KC005	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.017	Copper	0.28	Hallway	01 WC002	P1	First Primary draw of 125 milliliters
Lead	0.017	Copper	0.33	Hallway	01 WC002	P2	Second Primary draw of 125 milliliters
Lead	0.012	Copper	0.26	Hallway	01 WC002	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.12	Hallway	01 WC002	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.33	Outbuilding Unit 1	03KC041	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	1.84	Outbuilding Unit 1	03KC041	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	1.07	Outbuilding Unit 1	03KC041	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	1.12	Outbuilding Unit 1	03KC041	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.005	Copper	2.77	Outbuilding Unit 1	03DW038	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	1.37	Outbuilding Unit 1	03DW038	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	1.2	Outbuilding Unit 1	03DW038	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	1.03	Outbuilding Unit 1	03DW038	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.27	Outbuilding Unit 1	03KC040	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.41	Outbuilding Unit 1	03KC040	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.99	Outbuilding Unit 1	03KC040	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	1.13	Outbuilding Unit 1	03KC040	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.011	Copper	0.49	Outbuilding Unit 2	04KC044	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.97	Outbuilding Unit 2	04KC044	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	1.22	Outbuilding Unit 2	04KC044	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.6	Outbuilding Unit 2	04KC044	F02	Flush Sample taken 2 minutes after First Flush

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ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Location	Sample Description	Site Code	Site Code Description
Lead	0.007	Copper	0.13	Classroom 209	02CF036	P7	First Primary draw of 125 milliliters
Lead	0.021	Copper	0.19	Classroom 209	02CF036	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.07	Classroom 209	02CF036	F07	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	Classroom 209	02CF036	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.11	Classroom 208	02DW035	P1	First Primary draw of 125 milliliters
Lead	0.019	Copper	0.08	Classroom 208	02DW035	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.07	Classroom 208	02DW035	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.05	Classroom 208	02DW035	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.019	Copper	0.11	Classroom 208	02CF034	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.07	Classroom 208	02CF034	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.05	Classroom 208	02CF034	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	Classroom 208	02CF034	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.020	Copper	0.09	Classroom 207	02DW033	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	Classroom 207	02DW033	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	Classroom 207	02DW033	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.05	Classroom 207	02DW033	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.017	Copper	0.16	Classroom 108	01KC019	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.11	Classroom 108	01KC019	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	Classroom 108	01KC019	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	Classroom 108	01KC019	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.021	Copper	0.07	Classroom 207	02CF032	P1	First Primary draw of 125 milliliters
Lead	0.023	Copper	0.13	Classroom 207	02CF032	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.08	Classroom 207	02CF032	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.06	Classroom 207	02CF032	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.008	Copper	0.1	Classroom 209	02DW037	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	Classroom 209	02DW037	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	Classroom 209	02DW037	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	Classroom 209	02DW037	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.013	Copper	0.08	Classroom 203	02DW025	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	Classroom 203	02DW025	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.05	Classroom 203	02DW025	F01	Flush Sample taken 30 Seconds after Second
Lead	0.004	Copper	0.06	Classroom 203	02DW025	F02	Flush Sample taken 2 minutes after First Flush

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ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Location	Sample Description	Site Code	Site Code Description
Lead	0.013	Copper	0.09	Classroom 204	02DW027	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.08	Classroom 204	02DW027	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	Classroom 204	02DW027	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	Classroom 204	02DW027	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.09	Classroom 204	02CF026	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.05	Classroom 204	02CF026	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	Classroom 204	02CF026	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 204	02CF026	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.084	Copper	0.16	Classroom 206	02DW031	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.05	Classroom 206	02DW031	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	Classroom 206	02DW031	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 206	02DW031	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.039	Copper	0.1	Classroom 205	02DW029	P1	First Primary draw of 125 milliliters
Lead	0.014	Copper	0.11	Classroom 205	02DW029	P2	Second Primary draw of 125 milliliters
Lead	0.011	Copper	0.13	Classroom 205	02DW029	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.05	Classroom 205	02DW029	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.06	Classroom 205	02CF028	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.05	Classroom 205	02CF028	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	Classroom 205	02CF028	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 205	02CF028	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.15	Classroom 107	01DW017	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.16	Classroom 107	01DW017	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	Classroom 107	01DW017	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.06	Classroom 107	01DW017	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.010	Copper	0.06	Classroom 106	01DW015	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	Classroom 106	01DW015	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	Classroom 106	01DW015	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.05	Classroom 106	01DW015	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.009	Copper	0.17	Classroom 107	01CF078	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.3	Classroom 107	01CF078	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.21	Classroom 107	01CF078	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.12	Classroom 107	01CF078	F02	Flush Sample taken 2 minutes after First Flush

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ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Location	Sample Description	Site Code	Site Code Description
Lead	0.010	Copper	0.11	Classroom 206	02CF030	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.14	Classroom 206	02CF030	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	Classroom 206	02CF030	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	Classroom 206	02CF030	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.402	Copper	0.16	Classroom 106	01CF016	P1	First Primary draw of 125 milliliters
Lead	0.061	Copper	0.08	Classroom 106	01CF016	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	Classroom 106	01CF016	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.05	Classroom 106	01CF016	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.16	Classroom 203	02CF024	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.25	Classroom 203	02CF024	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.11	Classroom 203	02CF024	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.05	Classroom 203	02CF024	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.001	Copper	0.55	Outbuilding Unit 1	03KC040	A1	First Sequential Sample
Lead	0.000	Copper	0.3	Outbuilding Unit 1	03KC040	A2	Second Sequential Sample
Lead	0.000	Copper	0.28	Outbuilding Unit 1	03KC040	A3	Third Sequential Sample
Lead	0.000	Copper	0.27	Outbuilding Unit 1	03KC040	A4	Forth Sequential Sample
Lead	0.000	Copper	0.26	Outbuilding Unit 1	03KC040	A5	Fifth Sequential Sample
Lead	0.000	Copper	0.25	Outbuilding Unit 1	03KC040	A6	Sixth Sequential Sample
Lead	0.000	Copper	0.25	Outbuilding Unit 1	03KC040	A7	Seventh Sequential Sample
Lead	0.000	Copper	0.25	Outbuilding Unit 1	03KC040	A8	Eigth Sequential Sample
Lead	0.000	Copper	0.23	Outbuilding Unit 1	03KC040	A9	Ninth Sequential Sample
Lead	0.000	Copper	0.24	Outbuilding Unit 1	03KC040	A10	Tenth Sequential Sample
Lead	0.002	Copper	0.53	Outbuilding Unit 2	04KC044	B1	First Sequential Sample
Lead	0.000	Copper	0.45	Outbuilding Unit 2	04KC044	B2	Second Sequential Sample
Lead	0.000	Copper	0.42	Outbuilding Unit 2	04KC044	B3	Third Sequential Sample
Lead	0.000	Copper	0.39	Outbuilding Unit 2	04KC044	B4	Forth Sequential Sample
Lead	0.000	Copper	0.37	Outbuilding Unit 2	04KC044	B5	Fifth Sequential Sample
Lead	0.000	Copper	0.36	Outbuilding Unit 2	04KC044	B6	Sixth Sequential Sample
Lead	0.001	Copper	0.36	Outbuilding Unit 2	04KC044	B7	Seventh Sequential Sample
Lead	0.001	Copper	0.36	Outbuilding Unit 2	04KC044	B8	Eigth Sequential Sample
Lead	0.000	Copper	0.33	Outbuilding Unit 2	04KC044	B9	Ninth Sequential Sample
Lead	0.000	Copper	0.31	Outbuilding Unit 2	04KC044	B10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Location	Sample Description	Site Code	Site Code Description
Lead	0.003	Copper	0.08	Classroom 100	01CF004	C1	First Sequential Sample
Lead	0.000	Copper	0.15	Classroom 109	01CF004	C2	Second Sequential Sample
Lead	0.000	Copper	0.00	Classroom 107	01CF004	C3	Third Sequential Sample
Lead	0.000	Copper	0.00	Classroom 109	01CF004	C4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 109	01CF004	C5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 109	01CF004	C6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 109	01CF004	C7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	Classroom 109	01CF004	C8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 109	01CF004	C9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 109	01CF004	C10	Tenth Sequential Sample
Lead	0.002	Copper	0.09	Classroom 102	01CF010	D1	First Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D2	Second Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D3	Third Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 102	01CF010	D10	Tenth Sequential Sample
Lead	0.001	Copper	0.07	Classroom 200	02CF036	E1	First Sequential Sample
Lead	0.001	Copper	0.00	Classroom 209	02CF036	E2	Second Sequential Sample
Lead	0.001	Copper	0.00	Classroom 201	02CF036	E3	Third Sequential Sample
Lead	0.001	Copper	0.00	Classroom 209	02CF036	E4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 209	02CF036	E5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 209	02CF036	E6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 209	02CF036	E7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	Classroom 209	02CF036	E8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 209	02CF036	E9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	Classroom 209	02CF036	E10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

From: Krisztian, George (DEQ)
Sent: Tuesday, December 01, 2015 11:25 AM
To: Henry, James (jhenry@gchd.us)
Subject: Sampling Contract
Attachments: DEQ Standard Grant Agreement Boilerplate - MOST CURRENT VERSION -July 29.....doc; How to use and fill out the DEQ boilerplate.doc

Importance: High

Hi Jim,

Attached is the boilerplate contract that I have been instructed to use so that the DEQ can contract GCHD to conduct sampling in the Flint schools for lead in drinking water.

Can you please supply the Grantee Contact information?

I will take a stab at creating Appendix A which will detail the requirements for GCHD. I will then forward that to you for your input.

Thank you!
George

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

PPI

7



**PROGRAM NAME GRANT AGREEMENT
BETWEEN THE
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AND GRANTEE NAME**

This Grant Agreement ("Agreement") is made between the Michigan Department of Environmental Quality, (DEQ), **Division** ("State"), and **Name of Grantee** ("Grantee").

The purpose of this Agreement is to provide funding in exchange for work to be performed for the project named below. The State is authorized to provide grant assistance pursuant to **[Name of Legislation, Year and Public Act No.]** Legislative appropriation of Funds for grant assistance is set forth in **[Year and Public Act No.]** This Agreement is subject to the terms and conditions specified herein.

Project Name: _____

[Project #: _____]

Amount of grant: \$ _____

% of grant state \$ _____ / % of grant federal _____

[Amount of match: \$ _____ = _____ %]

PROJECT TOTAL: \$ _____ (grant plus match)

Start Date (date executed by DEQ): _____
[unless alternate date specified]

End Date: _____

GRANTEE CONTACT:

STATE'S CONTACT:

Name/Title

Name/Title

Organization

Division/Bureau/Office

Address

Address

Address

Address

Telephone number

Telephone number

Fax number

Fax number

E-mail address

E-mail address

Federal ID number

Grantee DUNS number

[Program will add a Remittance address if different than the above.]

The individuals signing below certify by their signatures that they are authorized to sign this Agreement on behalf of their agencies and that the parties will fulfill the terms of this Agreement, including any attached appendices, as set forth herein.

FOR THE GRANTEE:

Signature

Date

Name/Title

FOR THE STATE:

Signature

Date

Name/Title

I. PROJECT SCOPE

This Agreement and its appendices constitute the entire Agreement between the State and the Grantee and may be modified only by written agreement between the State and the Grantee.

(A) The scope of this project is limited to the activities specified in Appendix A and such activities as are authorized by the State under this Agreement. Any change in project scope requires prior written approval in accordance with Section III, Changes, in this Agreement.

(B) By acceptance of this Agreement, the Grantee commits to complete the project identified in Appendix A within the time period allowed for in this Agreement and in accordance with the terms and conditions of this Agreement.

II. AGREEMENT PERIOD

Upon signature by the State, the Agreement shall be effective from the Start Date until the End Date on page 1. The State shall have no responsibility to provide funding to the Grantee for project work performed except between the Start Date and the End Date specified on page 1. Expenditures made by the Grantee prior to the Start Date or after the End Date of this Agreement are not eligible for payment under this Agreement.

III. CHANGES

Any changes to this Agreement [other than budget line item revisions less than percent of the budget line item] shall be requested by the Grantee or the State in writing and implemented only upon approval in writing by the State. The State reserves the right to deny requests for changes to the Agreement or to the appendices. No changes can be implemented without approval by the State.

IV. GRANTEE DELIVERABLES AND REPORTING REQUIREMENTS

The Grantee shall submit deliverables and follow reporting requirements specified in Appendix A of this Agreement.

(A) The Grantee must complete and submit [quarterly] [financial and/or progress] reports according to a form and format prescribed by the State [and must include supporting documentation of eligible project expenses]. These reports shall be due according to the following: ***[Managers can alter the dates below for reporting other than quarterly]***

Reporting Period	Due Date
January 1 – March 31	April 30
April 1 – June 30	July 31
July 1 – September 30	Before October 15*
October 1 – December 31	January 31

*Due to the State's year-end closing procedures, there will be an accelerated due date for the report covering July 1 – September 30. Advance notification regarding the due date for the quarter ending September 30 will be sent to the Grantee. If the Grantee is unable to submit a report in early October for the quarter ending September 30, an estimate of expenditures through September 30 must be submitted to allow the State to complete its accounting for that fiscal year.

The forms provided by the State shall be submitted to the State's contact at the address on page 1. [All required supporting documentation (invoices, proof of payment, etc.) for expenses must be included with the report.]

(B) The Grantee shall provide a final project report in a format prescribed by the State. [The Grantee must provide a draft final report 45 days prior to the end date of the agreement.] [The Grantee shall submit the final status report, including all supporting documentation for expenses, along with the final project report and any other outstanding products within 30 days from the End Date of the Agreement.]

[(C) The Grantee must provide [____] copies of] all products and deliverables in accordance with Appendix A.]

[(D) All products shall acknowledge that the project was supported in whole or in part by [Program Name], DEQ, per the guidelines provided by the program.]

[(E) If [15] percent (15%)] or more of the grant amount is expended in a single quarter, payment requests may be submitted [once monthly during that quarter]].

V. GRANTEE RESPONSIBILITIES

(A) The Grantee agrees to abide by all applicable local, state, and federal laws, rules, ordinances, and regulations in the performance of this grant.

(B) All local, state, and federal permits, if required, are the responsibility of the Grantee. Award of this grant is not a guarantee of permit approval by the State.

(C) The Grantee shall be solely responsible to pay all applicable taxes and fees, if any, that arise from the Grantee's receipt or execution of this grant.

(D) The Grantee is responsible for the professional quality, technical accuracy, timely completion, and coordination of all designs, drawings, specifications, reports, and other services submitted to the State under this Agreement. The Grantee shall, without additional compensation, correct or revise any errors, omissions, or other deficiencies in drawings, designs, specifications, reports, or other services.

(E) The State's approval of drawings, designs, specifications, reports, and incidental work or materials furnished hereunder shall not in any way relieve the Grantee of responsibility for the technical adequacy of the work. The State's review, approval, acceptance, or payment for any of the services shall not be construed as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement.

(F) The Grantee acknowledges that it is a crime to knowingly and willingly file false information with the State for the purpose of obtaining this Agreement or any payment under the Agreement, and that any such filing may subject the Grantee, its agents, and/or employees to criminal and civil prosecution and/or termination of the grant.

VI. USE OF MATERIAL

Unless otherwise specified in this Agreement, the Grantee may release information or material developed under this Agreement, provided it is acknowledged that the State funded all or a portion of its development.

The State, and federal awarding agency, if applicable, retains a royalty-free, nonexclusive and irrevocable right to reproduce, publish, and use in whole or in part, and authorize others to do so, any copyrightable material or research data submitted under this grant whether or not the material is copyrighted by the Grantee or another person. The Grantee will only submit materials that the State can use in accordance with this paragraph.

VII. ASSIGNABILITY

The Grantee shall not assign this Agreement or assign or delegate any of its duties or obligations under this Agreement to any other party without the prior written consent of the State. The State does not assume responsibility regarding the contractual relationships between the Grantee and any subcontractor.

VIII. SUBCONTRACTS

The State reserves the right to deny the use of any consultant, contractor, associate, or other personnel to perform any portion of the project. The Grantee is solely responsible for all contractual activities performed under this Agreement. Further, the State will consider the Grantee to be the sole point of contact with regard to contractual matters, including payment of any and all charges resulting from the anticipated Grant. All subcontractors used by the Grantee in performing the project shall be subject to the provisions of this Agreement and shall be qualified to perform the duties required.

IX. NON-DISCRIMINATION

The Grantee shall comply with the Elliott Larsen Civil Rights Act, 1976 PA 453, as amended, MCL 37.2101 *et seq.*, the Persons with Disabilities Civil Rights Act, 1976 PA 220, as amended, MCL 37.1101 *et seq.*, and all other federal, state, and local fair employment practices and equal opportunity laws and covenants that it shall not discriminate against any employee or applicant for employment, to be employed in the performance of this Agreement, with respect to his or her hire, tenure, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment, because of his or her race, religion, color, national origin, age, sex, height, weight, marital status, or physical or mental disability that is unrelated to the individual's ability to perform the duties of a particular job or position. The Grantee agrees to include in every subcontract entered into for the performance of this Agreement this covenant not to discriminate in employment. A breach of this covenant is a material breach of this Agreement.

X. UNFAIR LABOR PRACTICES

The Grantee shall comply with the Employers Engaging in Unfair Labor Practices Act, 1980 PA 278, as amended, MCL 423.321 *et seq.*

XI. LIABILITY

(A) The Grantee, not the State, is responsible for all liabilities as a result of claims, judgments, or costs arising out of activities to be carried out by the Grantee under this Agreement, if the liability is caused by the Grantee, or any employee or agent of the Grantee acting within the scope of their employment or agency.

(B) Nothing in this Agreement should be construed as a waiver of any governmental immunity by the Grantee, the State, its agencies, or their employees as provided by statute or court decisions.

XII. CONFLICT OF INTEREST

No government employee, or member of the legislative, judicial, or executive branches, or member of the Grantee's Board of Directors, its employees, partner agencies, or their families shall benefit financially from any part of this Agreement.

XIII. ANTI-LOBBYING

If all or a portion of this Agreement is funded with federal funds, then in accordance with OMB Circular A-21, A-87, or A-122, as appropriate, the Grantee shall comply with the Anti-Lobbying Act,

which prohibits the use of all project funds regardless of source, to engage in lobbying the state or federal government or in litigation against the State. Further, the Grantee shall require that the language of this assurance be included in the award documents of all subawards at all tiers.

If all or a portion of this Agreement is funded with state funds, then the Grantee shall not use any of the grant funds awarded in this Agreement for the purpose of lobbying as defined in the State of Michigan's lobbying statute, MCL 4.415(2). "Lobbying" means communicating directly with an official of the executive branch of state government or an official in the legislative branch of state government for the purpose of influencing legislative or administrative action." The Grantee shall not use any of the grant funds awarded in this Agreement for the purpose of litigation against the State. Further, the Grantee shall require that language of this assurance be included in the award documents of all subawards at all tiers.

XIV. DEBARMENT AND SUSPENSION

By signing this Agreement, the Grantee certifies that it has checked the federal debarment/suspension list at www.SAM.gov to verify that its agents, and its subcontractors:

- (1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or the state.
- (2) Have not within a three-year period preceding this Agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction, as defined in 45 CFR 1185; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- (3) Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated in subsection (2).
- (4) Have not within a three-year period preceding this Agreement had one or more public transactions (federal, state, or local) terminated for cause or default.
- (5) Will comply with all applicable requirements of all other state or federal laws, executive orders, regulations, and policies governing this program.

XV. AUDIT AND ACCESS TO RECORDS

The State reserves the right to conduct a programmatic and financial audit of the project, and the State may withhold payment until the audit is satisfactorily completed. The Grantee will be required to maintain all pertinent records and evidence pertaining to this Agreement, including grant and any required matching funds, in accordance with generally accepted accounting principles and other procedures specified by the State. The State or any of its duly authorized representatives must have access, upon reasonable notice, to such books, records, documents, and other evidence for the purpose of inspection, audit, and copying. The Grantee will provide proper facilities for such access and inspection. All records must be maintained for a minimum of [five] years after the final payment has been issued to the Grantee by the State.

XVI. INSURANCE

(A) The Grantee must maintain insurance or self-insurance that will protect it from claims that may arise from the Grantee's actions under this Agreement.

(B) The Grantee must comply with applicable workers' compensation laws while engaging in

activities authorized under this Agreement.

XVII. OTHER SOURCES OF FUNDING

The Grantee guarantees that any claims for reimbursement made to the State under this Agreement must not be financed by any source other than the State under the terms of this Agreement. If funding is received through any other source, the Grantee agrees to delete from Grantee's billings, or to immediately refund to the State, the total amount representing such duplication of funding.

XVIII. COMPENSATION

(A) A breakdown of costs allowed under this Agreement is identified in Appendix A. The State will pay the Grantee a total amount not to exceed the amount on page 1 of this Agreement, in accordance with Appendix A, and only for expenses incurred [and paid]. All other costs necessary to complete the project are the sole responsibility of the Grantee.

(B) Expenses incurred by the Grantee prior to the Start Date or after the End Date of this Agreement are not allowed under the Agreement, [unless otherwise specified in Appendix A].

(C) The State will approve payment requests after approval of reports and related documentation as required under this Agreement.

(D) The State reserves the right to request additional information necessary to substantiate payment requests.

(E) Payments under this Agreement may be processed by Electronic Funds Transfer (EFT). The Grantee may register to receive payments by EFT at the Contract & Payment Express Web Site (<http://www.cpexpress.state.mi.us>).

[(F) An amount equal to [____ percent of the grant award] or [\$____] will be withheld by the State until the project is completed in accordance with Section XIX, Closeout, and Appendix A.]

[(G) The Grantee is committed to the match percentage on page 1 of the Agreement, in accordance with Appendix A. The Grantee shall expend all local match committed to the project by the End Date on page 1 of the Agreement.]

XIX. CLOSEOUT

(A) A determination of project completion, which may include a site inspection and an audit, shall be made by the State after the Grantee has met any match obligations, satisfactorily completed the activities, and provided products and deliverables described in Appendix A.

(B) Upon issuance of final payment from the State, the Grantee releases the State of all claims against the State arising under this Agreement. Unless otherwise provided in this Agreement or by State law, final payment under this Agreement shall not constitute a waiver of the State's claims against the Grantee.

(C) The Grantee shall immediately refund to the State any payments in excess of the costs allowed by this Agreement.

XX. CANCELLATION

This Agreement may be canceled by the State, upon 30 days written notice, due to Executive Order, budgetary reduction, other lack of funding, upon request by the Grantee, or upon mutual agreement by the State and Grantee. The State may honor requests for just and equitable

compensation to the Grantee for all satisfactory and eligible work completed under this Agreement up until 30 days after written notice, upon which time all outstanding reports and documents are due to the State and the State will no longer be liable to pay the grantee for any further charges to the grant.

XXI. TERMINATION

(A) This Agreement may be terminated by the State as follows.

(1) Upon 30 days written notice to the Grantee:

- a. If the Grantee fails to comply with the terms and conditions of the Agreement, or with the requirements of the authorizing legislation cited on page 1, or the rules promulgated thereunder, or other applicable law or rules.
- b. If the Grantee knowingly and willingly presents false information to the State for the purpose of obtaining this Agreement or any payment under this Agreement.
- c. If the State finds that the Grantee, or any of the Grantee's agents or representatives, offered or gave gratuities, favors, or gifts of monetary value to any official, employee, or agent of the State in an attempt to secure a subcontract or favorable treatment in awarding, amending, or making any determinations related to the performance of this Agreement.
- d. If the Grantee or any subcontractor, manufacturer, or supplier of the Grantee appears in the register of persons engaging in unfair labor practices that is compiled by the Michigan Department of Licensing and Regulatory Affairs or its successor.
- e. During the 30-day written notice period, the State shall withhold payment for any findings under subparagraphs a through d, above and the Grantee will immediately cease charging to the grant and stop earning match for the project (if applicable).

(2) Immediately and without further liability to the State if the Grantee, or any agent of the Grantee, or any agent of any subcontract is:

- a. Convicted of a criminal offense incident to the application for or performance of a State, public, or private contract or subcontract;
- b. Convicted of a criminal offense, including but not limited to any of the following: embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or attempting to influence a public employee to breach the ethical conduct standards for State of Michigan employees;
- c. Convicted under State or federal antitrust statutes; or
- d. Convicted of any other criminal offense that, in the sole discretion of the State, reflects on the Grantee's business integrity.
- e. Added to the federal or state Suspension and Debarment list.

(B) If a grant is terminated, the State reserves the right to require the Grantee to repay all or a portion of funds received under this Agreement.

XXII. IRAN SANCTIONS ACT

By signing this Agreement the Grantee is certifying that it is not an Iran linked business, and that its contractors are not Iran linked businesses, as defined in MCL 129.312.

PROGRAM-SPECIFIC BOILERPLATE

[Program managers are to add the following, as appropriate for the grant, numbering from the above standard language]

XXII. DISCLOSURE OF INFORMATION

All reports and other printed or electronic material prepared by or for the Grantee under the Agreement will not be distributed without the prior written consent of the State except for items disclosed in response to a Freedom of Information Act request, Court Order or subpoena.

XXIII. ADVANCES

Upon written request by the Grantee, the State will make an advance payment in the amount of \$_____ (_____ percent of the total grant). An advance payment does not require a financial status report form, but does require a letter requesting the specific dollar amount of the payment as stated in the Agreement. It is not necessary to use up the advance payment before applying for additional reimbursement.]

XXIV. QUALITY ASSURANCE/QUALITY CONTROL

A project-specific Quality Assurance Project Plan (QAPP) must be submitted to the State in accordance with guidance provided by the DEQ project administrator. Monitoring conducted prior to final DEQ approval of the QAPP will not be reimbursed.]

[Managers: click [here](#) for guidance on prevailing wage.]

XXVI. PREVAILING WAGE

This project is subject to the Davis-Bacon Act, 40 U S C 276a, *et seq*, which requires that prevailing wages and fringe benefits be paid to contractors and subcontractors performing on federally funded projects over \$2,000 for the construction, alteration, repair (including painting and decorating) of public buildings or works.

OR

This agreement and any subcontracts is subject to the Michigan Prevailing Wage Act, MCL 408.552, which requires that wage and fringe benefits rates to be paid for construction labor on certain state financed construction projects shall not be less than the wage and fringe benefit rates prevailing in the locality in which the work is to be performed.

FEDERALLY FUNDED PROGRAM-SPECIFIC BOILERPLATE

[Managers access Federal Terms and Conditions file on the U:drive for instructions and language required by the Federal grantor agency]

PROJECT-SPECIFIC REQUIREMENTS – APPENDIX A

[Appendix A will be the most project-specific part of the Agreement. It will generally include all of the following and will be attached by the program manager:

- *The broad project scope stating the purpose of the grant or loan. [For the brownfield program, include a general description of the property].*
- *The project description, which is a more detailed description of the type of work to be done with the grant or loan money.*

- *Work plan with specific tasks and products expected*
- *Timetable/schedule*
- *Budget*
- *Any other program-specific requirements]*

[The final Agreement will consist of the standard boilerplate language, with the program-specific requirements and the Federally-required Terms and Conditions (if applicable) added numerically after the standard language, followed by Appendix A. At least one DEQ Grant program has additional requirements for certain specific types of projects, and they will add Appendices B and C as well.]

How to Fill in the DEQ boilerplate

The DEQ boilerplate template must be adopted as is except for the blanks and items that are in brackets (which are optional). If the bracketed item is relevant to the grant program, any blanks within the brackets should be filled in and the brackets removed. If the optional item is not relevant to the grant program, the bracketed sentence should be deleted. Relevancy should be determined by the program manager, as should how any blanks in optional sentences are filled in.

Below in regular font is a detailed explanation of the "blanks" on the first page of the DEQ boilerplate. *In italics is how the boilerplate is to be filled out.*

TIP: The boilerplate template was designed such that TAB-ing from one grayed blank to the next will allow quick entry of needed information.

TIP: Merging data from a database into the Word-based template reduces the likelihood of errors and saves secretarial time.

- Program Name. *This is the name of the grant program providing the grant funding.*
- Division *is the DEQ division administering the grant.*
- Grantee Name. *This is the organization name from the Proposal Cover Sheet.*
- Name of Legislation, Year, Public Act Number *is the legislation that give the program authority to run the program. Public Act Number and Year is the public act and year in which the money was appropriated.*
- Project Name. *This is the project name from the Proposal Cover Sheet, or provided by the Program Manager if altered. (The DEQ has the right to alter project names to make it easier to track the grants).*
- Project number *is optional but helpful when tracking numerous grants.*
- Amount of Grant *must be consistent with that approved by the Director, State Administrative Review Board, and any other approval authorities.*
- % of grant state \$/% of grant federal %. *This identifies the percentage of money that is state vs. federal funding.*

- Amount of match. *This may or may not be a program requirement. If it is not, then there is no need to include a project total.*
- Project Total *is the grant plus the match amount.*
- Start and End Dates. *The start date and end dates are sometimes negotiated with the grantee, sometimes set by the program, sometimes set by the funding source. No funds can be spent outside the start and end dates of a project.*
- Grantee Contact. *This is the name and title of the person in the grantee's organization that will administer the project. This person is responsible for the day-to-day activities of the project, and in most cases has the authority to sign the project status reports. The [Central/Lansing Staff] will fill in the rest of the contact information based on the [information on the Proposal Cover Sheet, database].*

Under the email for the grantee contact is the Federal ID Number. This number needs to be filled in to process payments electronically. If grantees sign the contract and forget to include the federal ID number, contact the grantee and add it for them.

- State's Representative. *This is the name of the person in the DEQ that will administer the project, i.e., the PA.*
- Signature For The Grantee and For the State, and the authorized official and Name and title (typed or printed). *This is the person in the grantee's organization with grant signature authority. It is usually the person who signed the grant proposal; often, the director of the organization. The [Central/Lansing Staff] may need to contact the grantee to determine who this is.*

From: Krisztian, George (DEQ)
Sent: Tuesday, December 01, 2015 1:07 PM
To: Pieper, Julia (DEQ)
Cc: Smith, Carol (DEQ);Shane, Kirby (DEQ)
Subject: Neithercut Elelmentary Data Coding Issues
Attachments: Neithercut Prelim results.xlsx

Importance: High

Hi Julie,

Please see the attached spread sheet. The cells in yellow need to be changed on the sample slips so that the room description is included for all four of the samples in the respective group of four.

Please call me if you have any questions.

Thank you!
George

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

PPI

	A	B	C	D	E	F	G	H
1	SAMPNO	ANALYTE	RESULT	ANALYTE	RESULT	Sample_Description	SampleCollector	Site_Code
2	LF93095	Lead	0.001	Copper	0.26	02KC001- DHHS OFFICE	TJD/GLK	CA1
3	LF93096	Lead	0.001	Copper	0.24	02KC001- DHHS OFFICE	TJD/GLK	CA2
4	LF93097	Lead	0.002	Copper	0.22	02KC001- DHHS OFFICE	TJD/GLK	CA3
5	LF93098	Lead	0.002	Copper	0.19	02KC001- DHHS OFFICE	TJD/GLK	CA4
6	LF93099	Lead	0.002	Copper	0.18	02KC001- DHHS OFFICE	TJD/GLK	CA5
7	LF93100	Lead	0.003	Copper	0.17	02KC001- DHHS OFFICE	TJD/GLK	CA6
8	LF93101	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA7
9	LF93102	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA8
10	LF93103	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA9
11	LF93104	Lead	0.002	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA10
12	LF93105	Lead	0.001	Copper	0.10	01KC040- KITCHEN	TJD/GLK	CB1
13	LF93106	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB2
14	LF93107	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB3
15	LF93108	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB4
16	LF93109	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB5
17	LF93110	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB6
18	LF93111	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB7
19	LF93112	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB8
20	LF93113	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB9
21	LF93114	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB10
22	LF93115	Lead	0.009	Copper	0.13	01KC006	M PRYSBY/E BROWNE	CC1
23	LF93116	Lead	0.004	Copper	0.11	01KC006	M PRYSBY/E BROWNE	CC2
24	LF93117	Lead	0.003	Copper	0.07	01KC006	M PRYSBY/E BROWNE	CC3
25	LF93118	Lead	0.003	Copper	0.07	01KC006	M PRYSBY/E BROWNE	CC4
26	LF93119	Lead	0.003	Copper	0.06	01KC006	M PRYSBY/E BROWNE	CC5
27	LF93120	Lead	0.002	Copper	0.06	01KC006	M PRYSBY/E BROWNE	CC6
28	LF93121	Lead	0.002	Copper	0.06	01KC006	M PRYSBY/E BROWNE	CC7
29	LF93122	Lead	0.002	Copper	0.05	01KC006	M PRYSBY/E BROWNE	CC8
30	LF93123	Lead	0.002	Copper	0.05	01KC006	M PRYSBY/E BROWNE	CC9
31	LF93124	Lead	0.001	Copper	0.00	01KC006	M PRYSBY/E BROWNE	CC10
32	LF93125	Lead	0.012	Copper	0.34	01SP041	TJD/GLK	CD1
33	LF93126	Lead	0.004	Copper	0.18	01SP041	TJD/GLK	CD2
34	LF93127	Lead	0.002	Copper	0.13	01SP041	TJD/GLK	CD3
35	LF93128	Lead	0.003	Copper	0.13	01SP041	TJD/GLK	CD4
36	LF93129	Lead	0.003	Copper	0.12	01SP041	TJD/GLK	CD5
37	LF93130	Lead	0.003	Copper	0.12	01SP041	TJD/GLK	CD6
38	LF93131	Lead	0.002	Copper	0.12	01SP041	TJD/GLK	CD7
39	LF93132	Lead	0.002	Copper	0.12	01SP041	TJD/GLK	CD8
40	LF93133	Lead	0.002	Copper	0.11	01SP041	TJD/GLK	CD9
41	LF93134	Lead	0.002	Copper	0.10	01SP041	TJD/GLK	CD10
42	LF93135	Lead	0.002	Copper	0.08	01CF025	M PRYSBY/E BROWNE	CE1

	A	B	C	D	E	F	G	H
43	LF93136	Lead	0.000	Copper	0.05	01CF025	M PRYSBY/E BROWNE	CE2
44	LF93137	Lead	0.000	Copper	0.05	01CF025	M PRYSBY/E BROWNE	CE3
45	LF93138	Lead	0.000	Copper	0.00	01CF025	M PRYSBY/E BROWNE	CE4
46	LF93139	Lead	0.000	Copper	0.00	01CF025	M PRYSBY/E BROWNE	CE5
47	LF93140	Lead	0.000	Copper	0.00	01CF025	M PRYSBY/E BROWNE	CE6
48	LF93141	Lead	0.000	Copper	0.00	01CF025	M PRYSBY/E BROWNE	CE7
49	LF93142	Lead	0.000	Copper	0.00	01CF025	M PRYSBY/E BROWNE	CE8
50	LF93143	Lead	0.000	Copper	0.00	01CF025	M PRYSBY/E BROWNE	CE9
51	LF93144	Lead	0.000	Copper	0.00	01CF025	M PRYSBY/E BROWNE	CE10
52	LF93145	Lead	0.003	Copper	0.08	01CF039	TJD/GLK	CF1
53	LF93146	Lead	0.001	Copper	0.06	01CF039	TJD/GLK	CF2
54	LF93147	Lead	0.001	Copper	0.06	01CF039	TJD/GLK	CF3
55	LF93148	Lead	0.000	Copper	0.06	01CF039	TJD/GLK	CF4
56	LF93149	Lead	0.000	Copper	0.06	01CF039	TJD/GLK	CF5
57	LF93150	Lead	0.000	Copper	0.06	01CF039	TJD/GLK	CF6
58	LF93151	Lead	0.000	Copper	0.05	01CF039	TJD/GLK	CF7
59	LF93152	Lead	0.000	Copper	0.06	01CF039	TJD/GLK	CF8
60	LF93153	Lead	0.000	Copper	0.05	01CF039	TJD/GLK	CF9
61	LF93154	Lead	0.000	Copper	0.05	01CF039	TJD/GLK	CF10
62	LF93155	Lead	0.015	Copper	0.17	01CF016	M PRYSBY/E BROWNE	P1
63	LF93156	Lead	0.006	Copper	0.10	01CF016 ROOM 104	M PRYSBY/E BROWNE	P2
64	LF93157	Lead	0.001	Copper	0.00	01CF016	M PRYSBY/E BROWNE	F01
65	LF93158	Lead	0.002	Copper	0.00	01CF016	M PRYSBY/E BROWNE	F02
66	LF93159	Lead	0.016	Copper	0.19	01CF019 ROOM 107	M PRYSBY/E BROWNE	P1
67	LF93160	Lead	0.010	Copper	0.18	01CF019 ROOM 107	M PRYSBY/E BROWNE	P2
68	LF93161	Lead	0.002	Copper	0.00	01CF019	M PRYSBY/E BROWNE	F01
69	LF93162	Lead	0.001	Copper	0.00	01CF019 ROOM 107	M PRYSBY/E BROWNE	F02
70	LF93163	Lead	0.008	Copper	0.13	01DW008 ROOM 101	M PRYSBY/E BROWNE	P1
71	LF93164	Lead	0.002	Copper	0.10	01DW008 ROOM 101	M PRYSBY/E BROWNE	P2
72	LF93165	Lead	0.001	Copper	0.09	01DW008	M PRYSBY/E BROWNE	F01
73	LF93166	Lead	0.001	Copper	0.07	01DW008 ROOM 101	M PRYSBY/E BROWNE	F02
74	LF93167	Lead	0.011	Copper	0.12	01DW015 ROOM 104	M PRYSBY/E BROWNE	P1
75	LF93168	Lead	0.005	Copper	0.09	01DW015 ROOM 104	M PRYSBY/E BROWNE	P2
76	LF93169	Lead	0.001	Copper	0.00	01DW015	M PRYSBY/E BROWNE	F01
77	LF93170	Lead	0.001	Copper	0.00	01DW015 ROOM 104	M PRYSBY/E BROWNE	F02
78	LF93171	Lead	0.030	Copper	0.13	01DW012 LIBRARY	M PRYSBY/E BROWNE	P1
79	LF93172	Lead	0.006	Copper	0.05	01DW012 LIBRARY	M PRYSBY/E BROWNE	P2
80	LF93173	Lead	0.002	Copper	0.00	01DW012 LIBRARY	M PRYSBY/E BROWNE	F01
81	LF93174	Lead	0.001	Copper	0.00	01DW012	M PRYSBY/E BROWNE	F02
82	LF93175	Lead	0.314	Copper	0.48	01CF011 LIBRARY	M PRYSBY/E BROWNE	P1
83	LF93176	Lead	0.247	Copper	0.56	01CF011 LIBRARY	M PRYSBY/E BROWNE	P2
84	LF93177	Lead	0.008	Copper	0.07	01CF011 LIBRARY	M PRYSBY/E BROWNE	F01

	A	B	C	D	E	F	G	H
85	LF93178	Lead	0.004	Copper	0.05	01CF011 LIBRARY	M PRYSBY/E BROWNE	F02
86	LF93179	Lead	0.016	Copper	0.21	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	P1
87	LF93180	Lead	0.019	Copper	0.19	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	P2
88	LF93181	Lead	0.001	Copper	0.08	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	F01
89	LF93182	Lead	0.000	Copper	0.07	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	F02
90	LF93183	Lead	0.029	Copper	0.18	01CF007 ROOM 101	M PRYSBY/E BROWNE	P1
91	LF93184	Lead	0.016	Copper	0.14	01CF007 ROOM 101	M PRYSBY/E BROWNE	P2
92	LF93185	Lead	0.010	Copper	0.12	01CF007	M PRYSBY/E BROWNE	F01
93	LF93186	Lead	0.002	Copper	0.09	01CF007 ROOM 101	M PRYSBY/E BROWNE	F02
94	LF93187	Lead	0.008	Copper	0.15	01DW002 HALL TO RIGHT OF OFC	M PRYSBY/E BROWNE	P1
95	LF93188	Lead	0.001	Copper	0.08	01DW002	M PRYSBY/E BROWNE	P2
96	LF93189	Lead	0.002	Copper	0.07	01DW002	M PRYSBY/E BROWNE	F01
97	LF93190	Lead	0.001	Copper	0.05	01DW002	M PRYSBY/E BROWNE	F02
98	LF93191	Lead	0.012	Copper	0.15	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	P1
99	LF93192	Lead	0.002	Copper	0.22	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	P2
100	LF93193	Lead	0.001	Copper	0.13	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	F01
101	LF93194	Lead	0.000	Copper	0.08	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	F02
102	LF93195	Lead	0.008	Copper	0.25	01DW001 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	P1
103	LF93196	Lead	0.004	Copper	0.39	01DW001 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	P2
104	LF93197	Lead	0.001	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	F01
105	LF93198	Lead	0.000	Copper	0.07	01DW001	M PRYSBY/E BROWNE	F02
106	LF93199	Lead	0.013	Copper	0.16	01KC040 KITCHEN	M PRYSBY/E BROWNE	P1
107	LF93200	Lead	0.021	Copper	0.21	01KC040 KITCHEN	M PRYSBY/E BROWNE	P2
108	LF93201	Lead	0.000	Copper	0.11	01KC040 KITCHEN	M PRYSBY/E BROWNE	F01
109	LF93202	Lead	0.000	Copper	0.00	01KC040	M PRYSBY/E BROWNE	F02
110	LF93203	Lead	0.025	Copper	0.16	01DW038 ROOM 116	M PRYSBY/E BROWNE	P1
111	LF93204	Lead	0.017	Copper	0.11	01DW038 ROOM 116	M PRYSBY/E BROWNE	P2
112	LF93205	Lead	0.003	Copper	0.06	01DW038 ROOM 116	M PRYSBY/E BROWNE	F01
113	LF93206	Lead	0.001	Copper	0.05	01DW038 ROOM 116	M PRYSBY/E BROWNE	F02
114	LF93207	Lead	0.342	Copper	0.56	01CF039 ROOM 116	M PRYSBY/E BROWNE	P1
115	LF93208	Lead	0.011	Copper	0.14	01CF039 ROOM 116	M PRYSBY/E BROWNE	P2
116	LF93209	Lead	0.001	Copper	0.06	01CF039 ROOM 116	M PRYSBY/E BROWNE	F01
117	LF93210	Lead	0.001	Copper	0.06	01CF039 ROOM 116	M PRYSBY/E BROWNE	F02
118	LF93211	Lead	0.018	Copper	0.14	01DW030 ROOM 112	M PRYSBY/E BROWNE	P1
119	LF93212	Lead	0.012	Copper	0.13	01DW030 ROOM 112	M PRYSBY/E BROWNE	P2
120	LF93213	Lead	0.006	Copper	0.11	01DW030 ROOM 112	M PRYSBY/E BROWNE	F01
121	LF93214	Lead	0.002	Copper	0.06	01DW030 ROOM 112	M PRYSBY/E BROWNE	F02
122	LF93215	Lead	0.013	Copper	0.20	01CF024 ROOM 108	M PRYSBY/E BROWNE	P1
123	LF93216	Lead	0.007	Copper	0.09	01CF024 ROOM 108	M PRYSBY/E BROWNE	P2
124	LF93217	Lead	0.001	Copper	0.05	01CF024 ROOM 108	M PRYSBY/E BROWNE	F01
125	LF93218	Lead	0.001	Copper	0.00	01CF024 ROOM 108	M PRYSBY/E BROWNE	F02
126	LF93219	Lead	0.005	Copper	0.34	01CF027 COPY ROOM	M PRYSBY/E BROWNE	P1

	A	B	C	D	E	F	G	H
127	LF93220	Lead	0.013	Copper	0.39	01CF027 COPY ROOM	M PRYSBY/E BROWNE	P2
128	LF93221	Lead	0.004	Copper	0.22	01CF027	M PRYSBY/E BROWNE	F01
129	LF93222	Lead	0.000	Copper	0.08	01CF027	M PRYSBY/E BROWNE	F02
130	LF93223	Lead	0.014	Copper	0.42	01CF035 ROOM 115	M PRYSBY/E BROWNE	P1
131	LF93224	Lead	0.007	Copper	0.15	01CF035 ROOM 115	M PRYSBY/E BROWNE	P2
132	LF93225	Lead	0.001	Copper	0.06	01CF035 ROOM 115	M PRYSBY/E BROWNE	F01
133	LF93226	Lead	0.000	Copper	0.06	01CF035	M PRYSBY/E BROWNE	F02
134	LF93227	Lead	0.009	Copper	0.11	01DW023 ROOM 108	M PRYSBY/E BROWNE	P1
135	LF93228	Lead	0.004	Copper	0.15	01DW023 ROOM 108	M PRYSBY/E BROWNE	P2
136	LF93229	Lead	0.001	Copper	0.00	01DW023 ROOM 108	M PRYSBY/E BROWNE	F01
137	LF93230	Lead	0.001	Copper	0.00	01DW023 ROOM 108	M PRYSBY/E BROWNE	F02
138	LF93231	Lead	0.020	Copper	0.26	01DW034 ROOM 115	M PRYSBY/E BROWNE	P1
139	LF93232	Lead	0.012	Copper	0.28	01DW034 ROOM 115	M PRYSBY/E BROWNE	P2
140	LF93233	Lead	0.002	Copper	0.08	01DW034 ROOM 115	M PRYSBY/E BROWNE	F01
141	LF93234	Lead	0.000	Copper	0.05	01DW034	M PRYSBY/E BROWNE	F02
142	LF93235	Lead	0.038	Copper	0.39	01CF031 ROOM 112	M PRYSBY/E BROWNE	P1
143	LF93236	Lead	0.010	Copper	0.17	01CF031 ROOM 112	M PRYSBY/E BROWNE	P2
144	LF93237	Lead	0.008	Copper	0.11	01CF031 ROOM 112	M PRYSBY/E BROWNE	F01
145	LF93238	Lead	0.000	Copper	0.07	01CF031 ROOM 112	M PRYSBY/E BROWNE	F02
146	LF93239	Lead	0.019	Copper	0.07	01DW020 ROOM 107	M PRYSBY/E BROWNE	P1
147	LF93240	Lead	0.002	Copper	0.00	01DW020 ROOM 107	M PRYSBY/E BROWNE	P2
148	LF93241	Lead	0.002	Copper	0.00	01DW020 ROOM 107	M PRYSBY/E BROWNE	F01
149	LF93242	Lead	0.001	Copper	0.00	01DW020 ROOM 107	M PRYSBY/E BROWNE	F02
150	LF93243	Lead	0.012	Copper	0.19	01CF022 ROOM 109	TJD/GLK	P1
151	LF93244	Lead	0.006	Copper	0.09	01CF022- ROOM 109	TJD/GLK	P2
152	LF93245	Lead	0.001	Copper	0.00	01CF022- ROOM 109	TJD/GLK	F01
153	LF93246	Lead	0.000	Copper	0.00	01CF022- ROOM 109	TJD/GLK	F02
154	LF93247	Lead	0.011	Copper	0.20	01CF013- ROOM 105	TJD/GLK	P1
155	LF93248	Lead	0.010	Copper	0.12	01CF013- ROOM 105	TJD/GLK	P2
156	LF93249	Lead	0.002	Copper	0.00	01CF013- ROOM 105	TJD/GLK	F01
157	LF93250	Lead	0.000	Copper	0.00	01CF013- ROOM 105	TJD/GLK	F02
158	LF93251	Lead	0.034	Copper	0.21	02KC002- DHHS OFFICE	TJD/GLK	P1
159	LF93252	Lead	0.010	Copper	0.32	02KC002- DHHS OFFICE	TJD/GLK	P2
160	LF93253	Lead	0.004	Copper	0.56	02KC002- DHHS OFFICE	TJD/GLK	F01
161	LF93254	Lead	0.001	Copper	0.18	02KC002- DHHS OFFICE	TJD/GLK	F02
162	LF93255	Lead	0.021	Copper	0.30	02KC001- DHHS OFFICE	TJD/GLK	P1
163	LF93256	Lead	0.008	Copper	0.73	02KC001- DHHS OFFICE	TJD/GLK	P2
164	LF93257	Lead	0.001	Copper	0.19	02KC001- DHHS OFFICE	TJD/GLK	F01
165	LF93258	Lead	0.000	Copper	0.22	02KC001- DHHS OFFICE	TJD/GLK	F02
166	LF93259	Lead	0.011	Copper	0.12	01DW014- ROOM 105	TJD/GLK	P1
167	LF93260	Lead	0.002	Copper	0.06	01DW014- ROOM 105	TJD/GLK	P2
168	LF93261	Lead	0.002	Copper	0.05	01DW014- ROOM 105	TJD/GLK	F01

	A	B	C	D	E	F	G	H
169	LF93262	Lead	0.001	Copper	0.05	01DW014- ROOM 105	TJD/GLK	F02
170	LF93263	Lead	0.009	Copper	0.12	01DW021- ROOM 109	TJD/GLK	P1
171	LF93264	Lead	0.013	Copper	0.21	01DW021- ROOM 109	TJD/GLK	P2
172	LF93265	Lead	0.002	Copper	0.00	01DW021- ROOM 109	TJD/GLK	F01
173	LF93266	Lead	0.001	Copper	0.00	01DW021- ROOM 109	TJD/GLK	F02
174	LF93267	Lead	0.011	Copper	0.17	01CF010- ROOM 100	TJD/GLK	P1
175	LF93268	Lead	0.008	Copper	0.09	01CF010- ROOM 100	TJD/GLK	P2
176	LF93269	Lead	0.002	Copper	0.06	01CF010- ROOM 100	TJD/GLK	F01
177	LF93270	Lead	0.001	Copper	0.06	01CF010- ROOM 100	TJD/GLK	F02
178	LF93271	Lead	0.029	Copper	0.28	01DW005- LOUNGE	TJD/GLK	P1
179	LF93272	Lead	0.069	Copper	0.46	01DW005- LOUNGE	TJD/GLK	P2
180	LF93273	Lead	0.005	Copper	0.15	01DW005- LOUNGE	TJD/GLK	F01
181	LF93274	Lead	0.004	Copper	0.08	01DW005- LOUNGE	TJD/GLK	F02
182	LF93275	Lead	0.025	Copper	0.15	01DW009- ROOM 100	TJD/GLK	P1
183	LF93276	Lead	0.010	Copper	0.10	01DW009- ROOM 100	TJD/GLK	P2
184	LF93277	Lead	0.002	Copper	0.06	01DW009- ROOM 100	TJD/GLK	F01
185	LF93278	Lead	0.002	Copper	0.06	01DW009- ROOM 100	TJD/GLK	F02
186	LF93279	Lead	0.029	Copper	0.31	01KC006- LOUNGE	TJD/GLK	P1
187	LF93280	Lead	0.018	Copper	0.15	01KC006- LOUNGE	TJD/GLK	P2
188	LF93281	Lead	0.004	Copper	0.08	01KC006- LOUNGE	TJD/GLK	F01
189	LF93282	Lead	0.003	Copper	0.07	01KC006- LOUNGE	TJD/GLK	F02
190	LF93283	Lead	0.016	Copper	0.11	01DW017- ROOM 106	TJD/GLK	P1
191	LF93284	Lead	0.007	Copper	0.11	01DW017- ROOM 106	TJD/GLK	P2
192	LF93285	Lead	0.003	Copper	0.06	01DW017- ROOM 106	TJD/GLK	F01
193	LF93286	Lead	0.003	Copper	0.00	01DW017- ROOM 106	TJD/GLK	F02
194	LF93287	Lead	0.005	Copper	0.12	01CF018- ROOM 106	TJD/GLK	P1
195	LF93288	Lead	0.003	Copper	0.06	01CF018- ROOM 106	TJD/GLK	P2
196	LF93289	Lead	0.002	Copper	0.00	01CF018- ROOM 106	TJD/GLK	F01
197	LF93290	Lead	0.001	Copper	0.00	01CF018- ROOM 106	TJD/GLK	F02
198	LF93291	Lead	0.006	Copper	0.11	01DW026- ROOM 110	TJD/GLK	P1
199	LF93292	Lead	0.002	Copper	0.05	01DW026- ROOM 110	TJD/GLK	P2
200	LF93293	Lead	0.002	Copper	0.00	01DW026- ROOM 110	TJD/GLK	F01
201	LF93294	Lead	0.001	Copper	0.00	01DW026- ROOM 110	TJD/GLK	F02
202	LF93295	Lead	0.122	Copper	0.33	01DW029- ROOM 112	TJD/GLK	P1
203	LF93296	Lead	0.020	Copper	0.11	01DW029- ROOM 112	TJD/GLK	P2
204	LF93297	Lead	0.002	Copper	0.06	01DW029- ROOM 112	TJD/GLK	F01
205	LF93298	Lead	0.002	Copper	0.06	01DW029- ROOM 112	TJD/GLK	F02
206	LF93299	Lead	0.057	Copper	0.16	01DW036- ROOM 114	TJD/GLK	P1
207	LF93300	Lead	0.057	Copper	0.15	01DW036- ROOM 114	TJD/GLK	P2
208	LF93301	Lead	0.002	Copper	0.00	01DW036- ROOM 114	TJD/GLK	F01
209	LF93302	Lead	0.000	Copper	0.00	01DW036- ROOM 114	TJD/GLK	F02
210	LF93303	Lead	0.030	Copper	0.32	01CF028- ROOM 112	TJD/GLK	P1

	A	B	C	D	E	F	G	H
211	LF93304	Lead	0.019	Copper	0.16	01CF028- ROOM 112	TJD/GLK	P2
212	LF93305	Lead	0.004	Copper	0.07	01CF028- ROOM 112	TJD/GLK	F01
213	LF93306	Lead	0.000	Copper	0.06	01CF028- ROOM 112	TJD/GLK	F02
214	LF93307	Lead	0.042	Copper	0.49	01CF037- ROOM 114	TJD/GLK	P1
215	LF93308	Lead	0.012	Copper	0.13	01CF037- ROOM 114	TJD/GLK	P2
216	LF93309	Lead	0.002	Copper	0.06	01CF037- ROOM 114	TJD/GLK	F01
217	LF93310	Lead	0.000	Copper	0.05	01CF037- ROOM 114	TJD/GLK	F02
218	LF93311	Lead	0.000	Copper	0.00	01DW033- ROOM 113	TJD/GLK	P1
219	LF93312	Lead	0.001	Copper	0.06	01DW033- ROOM 113	TJD/GLK	P2
220	LF93313	Lead	0.000	Copper	0.05	01DW033- ROOM 113	TJD/GLK	F01
221	LF93314	Lead	0.000	Copper	0.05	01DW033- ROOM 113	TJD/GLK	F02
222	LF93315	Lead	0.011	Copper	0.20	01CF032- ROOM 113	TJD/GLK	P1
223	LF93316	Lead	0.011	Copper	0.13	01CF032- ROOM 113	TJD/GLK	P2
224	LF93317	Lead	0.000	Copper	0.06	01CF032- ROOM 113	TJD/GLK	F01
225	LF93318	Lead	0.000	Copper	0.06	01CF032- ROOM 113	TJD/GLK	F02
226	LF93319	Lead	0.003	Copper	0.18	01CF025- ROOM 110	TJD/GLK	P1
227	LF93320	Lead	0.004	Copper	0.15	01CF025- ROOM 110	TJD/GLK	P2
228	LF93321	Lead	0.002	Copper	0.07	01CF025- ROOM 110	TJD/GLK	F01
229	LF93322	Lead	0.001	Copper	0.05	01CF025- ROOM 110	TJD/GLK	F02

From: Krisztian, George (DEQ)
Sent: Tuesday, December 01, 2015 1:47 PM
To: Busch, Stephen (DEQ);Devereaux, Tracy Jo (DEQ)
Cc: Shekter Smith, Liane (DEQ);Sygo, Jim (DEQ)
Subject: Spreadsheet for Neithercut
Attachments: Neithercut results.xlsx

Attached is the lead and copper spreadsheet for Neithercut Elementary.

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

PPI

	A	B	C	D	E	F	G	H
1	SAMPNO	ANALYTE	RESULT	ANALYTE	RESULT	Sample_Description	SampleCollector	Site_Code
2	LF93095	Lead	0.001	Copper	0.26	02KC001- DHHS OFFICE	TJD/GLK	CA1
3	LF93096	Lead	0.001	Copper	0.24	02KC001- DHHS OFFICE	TJD/GLK	CA2
4	LF93097	Lead	0.002	Copper	0.22	02KC001- DHHS OFFICE	TJD/GLK	CA3
5	LF93098	Lead	0.002	Copper	0.19	02KC001- DHHS OFFICE	TJD/GLK	CA4
6	LF93099	Lead	0.002	Copper	0.18	02KC001- DHHS OFFICE	TJD/GLK	CA5
7	LF93100	Lead	0.003	Copper	0.17	02KC001- DHHS OFFICE	TJD/GLK	CA6
8	LF93101	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA7
9	LF93102	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA8
10	LF93103	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA9
11	LF93104	Lead	0.002	Copper	0.16	02KC001- DHHS OFFICE	TJD/GLK	CA10
12	LF93105	Lead	0.001	Copper	0.10	01KC040- KITCHEN	TJD/GLK	CB1
13	LF93106	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB2
14	LF93107	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB3
15	LF93108	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB4
16	LF93109	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB5
17	LF93110	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB6
18	LF93111	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB7
19	LF93112	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB8
20	LF93113	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB9
21	LF93114	Lead	0.000	Copper	0.00	01KC040- KITCHEN	TJD/GLK	CB10
22	LF93115	Lead	0.009	Copper	0.13	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC1
23	LF93116	Lead	0.004	Copper	0.11	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC2
24	LF93117	Lead	0.003	Copper	0.07	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC3
25	LF93118	Lead	0.003	Copper	0.07	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC4
26	LF93119	Lead	0.003	Copper	0.06	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC5
27	LF93120	Lead	0.002	Copper	0.06	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC6
28	LF93121	Lead	0.002	Copper	0.06	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC7
29	LF93122	Lead	0.002	Copper	0.05	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC8
30	LF93123	Lead	0.002	Copper	0.05	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC9
31	LF93124	Lead	0.001	Copper	0.00	01KC006- LOUNGE	M PRYSBY/E BROWNE	CC10
32	LF93125	Lead	0.012	Copper	0.34	01SP041	TJD/GLK	CD1
33	LF93126	Lead	0.004	Copper	0.18	01SP041	TJD/GLK	CD2
34	LF93127	Lead	0.002	Copper	0.13	01SP041	TJD/GLK	CD3
35	LF93128	Lead	0.003	Copper	0.13	01SP041	TJD/GLK	CD4
36	LF93129	Lead	0.003	Copper	0.12	01SP041	TJD/GLK	CD5
37	LF93130	Lead	0.003	Copper	0.12	01SP041	TJD/GLK	CD6
38	LF93131	Lead	0.002	Copper	0.12	01SP041	TJD/GLK	CD7
39	LF93132	Lead	0.002	Copper	0.12	01SP041	TJD/GLK	CD8
40	LF93133	Lead	0.002	Copper	0.11	01SP041	TJD/GLK	CD9
41	LF93134	Lead	0.002	Copper	0.10	01SP041	TJD/GLK	CD10
42	LF93135	Lead	0.002	Copper	0.08	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE1

	A	B	C	D	E	F	G	H
43	LF93136	Lead	0.000	Copper	0.05	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE2
44	LF93137	Lead	0.000	Copper	0.05	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE3
45	LF93138	Lead	0.000	Copper	0.00	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE4
46	LF93139	Lead	0.000	Copper	0.00	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE5
47	LF93140	Lead	0.000	Copper	0.00	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE6
48	LF93141	Lead	0.000	Copper	0.00	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE7
49	LF93142	Lead	0.000	Copper	0.00	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE8
50	LF93143	Lead	0.000	Copper	0.00	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE9
51	LF93144	Lead	0.000	Copper	0.00	01CF025- ROOM 110	M PRYSBY/E BROWNE	CE10
52	LF93145	Lead	0.003	Copper	0.08	01CF039 ROOM 116	TJD/GLK	CF1
53	LF93146	Lead	0.001	Copper	0.06	01CF039 ROOM 116	TJD/GLK	CF2
54	LF93147	Lead	0.001	Copper	0.06	01CF039 ROOM 116	TJD/GLK	CF3
55	LF93148	Lead	0.000	Copper	0.06	01CF039 ROOM 116	TJD/GLK	CF4
56	LF93149	Lead	0.000	Copper	0.06	01CF039 ROOM 116	TJD/GLK	CF5
57	LF93150	Lead	0.000	Copper	0.06	01CF039 ROOM 116	TJD/GLK	CF6
58	LF93151	Lead	0.000	Copper	0.05	01CF039 ROOM 116	TJD/GLK	CF7
59	LF93152	Lead	0.000	Copper	0.06	01CF039 ROOM 116	TJD/GLK	CF8
60	LF93153	Lead	0.000	Copper	0.05	01CF039 ROOM 116	TJD/GLK	CF9
61	LF93154	Lead	0.000	Copper	0.05	01CF039 ROOM 116	TJD/GLK	CF10
62	LF93155	Lead	0.015	Copper	0.17	01CF016 ROOM 104	M PRYSBY/E BROWNE	P1
63	LF93156	Lead	0.006	Copper	0.10	01CF016 ROOM 104	M PRYSBY/E BROWNE	P2
64	LF93157	Lead	0.001	Copper	0.00	01CF016 ROOM 104	M PRYSBY/E BROWNE	F01
65	LF93158	Lead	0.002	Copper	0.00	01CF016 ROOM 104	M PRYSBY/E BROWNE	F02
66	LF93159	Lead	0.016	Copper	0.19	01CF019 ROOM 107	M PRYSBY/E BROWNE	P1
67	LF93160	Lead	0.010	Copper	0.18	01CF019 ROOM 107	M PRYSBY/E BROWNE	P2
68	LF93161	Lead	0.002	Copper	0.00	01CF019 ROOM 107	M PRYSBY/E BROWNE	F01
69	LF93162	Lead	0.001	Copper	0.00	01CF019 ROOM 107	M PRYSBY/E BROWNE	F02
70	LF93163	Lead	0.008	Copper	0.13	01DW008 ROOM 101	M PRYSBY/E BROWNE	P1
71	LF93164	Lead	0.002	Copper	0.10	01DW008 ROOM 101	M PRYSBY/E BROWNE	P2
72	LF93165	Lead	0.001	Copper	0.09	01DW008 ROOM 101	M PRYSBY/E BROWNE	F01
73	LF93166	Lead	0.001	Copper	0.07	01DW008 ROOM 101	M PRYSBY/E BROWNE	F02
74	LF93167	Lead	0.011	Copper	0.12	01DW015 ROOM 104	M PRYSBY/E BROWNE	P1
75	LF93168	Lead	0.005	Copper	0.09	01DW015 ROOM 104	M PRYSBY/E BROWNE	P2
76	LF93169	Lead	0.001	Copper	0.00	01DW015 ROOM 104	M PRYSBY/E BROWNE	F01
77	LF93170	Lead	0.001	Copper	0.00	01DW015 ROOM 104	M PRYSBY/E BROWNE	F02
78	LF93171	Lead	0.030	Copper	0.13	01DW012 LIBRARY	M PRYSBY/E BROWNE	P1
79	LF93172	Lead	0.006	Copper	0.05	01DW012 LIBRARY	M PRYSBY/E BROWNE	P2
80	LF93173	Lead	0.002	Copper	0.00	01DW012 LIBRARY	M PRYSBY/E BROWNE	F01
81	LF93174	Lead	0.001	Copper	0.00	01DW012 LIBRARY	M PRYSBY/E BROWNE	F02
82	LF93175	Lead	0.314	Copper	0.48	01CF011 LIBRARY	M PRYSBY/E BROWNE	P1
83	LF93176	Lead	0.247	Copper	0.56	01CF011 LIBRARY	M PRYSBY/E BROWNE	P2
84	LF93177	Lead	0.008	Copper	0.07	01CF011 LIBRARY	M PRYSBY/E BROWNE	F01

	A	B	C	D	E	F	G	H
85	LF93178	Lead	0.004	Copper	0.05	01CF011 LIBRARY	M PRYSBY/E BROWNE	F02
86	LF93179	Lead	0.016	Copper	0.21	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	P1
87	LF93180	Lead	0.019	Copper	0.19	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	P2
88	LF93181	Lead	0.001	Copper	0.08	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	F01
89	LF93182	Lead	0.000	Copper	0.07	01DW004 NEXT TO GYM	M PRYSBY/E BROWNE	F02
90	LF93183	Lead	0.029	Copper	0.18	01CF007 ROOM 101	M PRYSBY/E BROWNE	P1
91	LF93184	Lead	0.016	Copper	0.14	01CF007 ROOM 101	M PRYSBY/E BROWNE	P2
92	LF93185	Lead	0.010	Copper	0.12	01CF007 ROOM 101	M PRYSBY/E BROWNE	F01
93	LF93186	Lead	0.002	Copper	0.09	01CF007 ROOM 101	M PRYSBY/E BROWNE	F02
94	LF93187	Lead	0.008	Copper	0.15	01DW002 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	P1
95	LF93188	Lead	0.001	Copper	0.08	01DW002 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	P2
96	LF93189	Lead	0.002	Copper	0.07	01DW002 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	F01
97	LF93190	Lead	0.001	Copper	0.05	01DW002 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	F02
98	LF93191	Lead	0.012	Copper	0.15	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	P1
99	LF93192	Lead	0.002	Copper	0.22	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	P2
100	LF93193	Lead	0.001	Copper	0.13	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	F01
101	LF93194	Lead	0.000	Copper	0.08	01DW003 NEXT TO GYM	M PRYSBY/E BROWNE	F02
102	LF93195	Lead	0.008	Copper	0.25	01DW001 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	P1
103	LF93196	Lead	0.004	Copper	0.39	01DW001 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	P2
104	LF93197	Lead	0.001	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	F01
105	LF93198	Lead	0.000	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	M PRYSBY/E BROWNE	F02
106	LF93199	Lead	0.013	Copper	0.16	01KC040 KITCHEN	M PRYSBY/E BROWNE	P1
107	LF93200	Lead	0.021	Copper	0.21	01KC040 KITCHEN	M PRYSBY/E BROWNE	P2
108	LF93201	Lead	0.000	Copper	0.11	01KC040 KITCHEN	M PRYSBY/E BROWNE	F01
109	LF93202	Lead	0.000	Copper	0.00	01KC040 KITCHEN	M PRYSBY/E BROWNE	F02
110	LF93203	Lead	0.025	Copper	0.16	01DW038 ROOM 116	M PRYSBY/E BROWNE	P1
111	LF93204	Lead	0.017	Copper	0.11	01DW038 ROOM 116	M PRYSBY/E BROWNE	P2
112	LF93205	Lead	0.003	Copper	0.06	01DW038 ROOM 116	M PRYSBY/E BROWNE	F01
113	LF93206	Lead	0.001	Copper	0.05	01DW038 ROOM 116	M PRYSBY/E BROWNE	F02
114	LF93207	Lead	0.342	Copper	0.56	01CF039 ROOM 116	M PRYSBY/E BROWNE	P1
115	LF93208	Lead	0.011	Copper	0.14	01CF039 ROOM 116	M PRYSBY/E BROWNE	P2
116	LF93209	Lead	0.001	Copper	0.06	01CF039 ROOM 116	M PRYSBY/E BROWNE	F01
117	LF93210	Lead	0.001	Copper	0.06	01CF039 ROOM 116	M PRYSBY/E BROWNE	F02
118	LF93211	Lead	0.018	Copper	0.14	01DW030 ROOM 112	M PRYSBY/E BROWNE	P1
119	LF93212	Lead	0.012	Copper	0.13	01DW030 ROOM 112	M PRYSBY/E BROWNE	P2
120	LF93213	Lead	0.006	Copper	0.11	01DW030 ROOM 112	M PRYSBY/E BROWNE	F01
121	LF93214	Lead	0.002	Copper	0.06	01DW030 ROOM 112	M PRYSBY/E BROWNE	F02
122	LF93215	Lead	0.013	Copper	0.20	01CF024 ROOM 108	M PRYSBY/E BROWNE	P1
123	LF93216	Lead	0.007	Copper	0.09	01CF024 ROOM 108	M PRYSBY/E BROWNE	P2
124	LF93217	Lead	0.001	Copper	0.05	01CF024 ROOM 108	M PRYSBY/E BROWNE	F01
125	LF93218	Lead	0.001	Copper	0.00	01CF024 ROOM 108	M PRYSBY/E BROWNE	F02
126	LF93219	Lead	0.005	Copper	0.34	01CF027 COPY ROOM	M PRYSBY/E BROWNE	P1

	A	B	C	D	E	F	G	H
127	LF93220	Lead	0.013	Copper	0.39	01CF027 COPY ROOM	M PRYSBY/E BROWNE	P2
128	LF93221	Lead	0.004	Copper	0.22	01CF027 COPY ROOM	M PRYSBY/E BROWNE	F01
129	LF93222	Lead	0.000	Copper	0.08	01CF027 COPY ROOM	M PRYSBY/E BROWNE	F02
130	LF93223	Lead	0.014	Copper	0.42	01CF035 ROOM 115	M PRYSBY/E BROWNE	P1
131	LF93224	Lead	0.007	Copper	0.15	01CF035 ROOM 115	M PRYSBY/E BROWNE	P2
132	LF93225	Lead	0.001	Copper	0.06	01CF035 ROOM 115	M PRYSBY/E BROWNE	F01
133	LF93226	Lead	0.000	Copper	0.06	01CF035 ROOM 115	M PRYSBY/E BROWNE	F02
134	LF93227	Lead	0.009	Copper	0.11	01DW023 ROOM 108	M PRYSBY/E BROWNE	P1
135	LF93228	Lead	0.004	Copper	0.15	01DW023 ROOM 108	M PRYSBY/E BROWNE	P2
136	LF93229	Lead	0.001	Copper	0.00	01DW023 ROOM 108	M PRYSBY/E BROWNE	F01
137	LF93230	Lead	0.001	Copper	0.00	01DW023 ROOM 108	M PRYSBY/E BROWNE	F02
138	LF93231	Lead	0.020	Copper	0.26	01DW034 ROOM 115	M PRYSBY/E BROWNE	P1
139	LF93232	Lead	0.012	Copper	0.28	01DW034 ROOM 115	M PRYSBY/E BROWNE	P2
140	LF93233	Lead	0.002	Copper	0.08	01DW034 ROOM 115	M PRYSBY/E BROWNE	F01
141	LF93234	Lead	0.000	Copper	0.05	01DW034 ROOM 115	M PRYSBY/E BROWNE	F02
142	LF93235	Lead	0.038	Copper	0.39	01CF031 ROOM 112	M PRYSBY/E BROWNE	P1
143	LF93236	Lead	0.010	Copper	0.17	01CF031 ROOM 112	M PRYSBY/E BROWNE	P2
144	LF93237	Lead	0.008	Copper	0.11	01CF031 ROOM 112	M PRYSBY/E BROWNE	F01
145	LF93238	Lead	0.000	Copper	0.07	01CF031 ROOM 112	M PRYSBY/E BROWNE	F02
146	LF93239	Lead	0.019	Copper	0.07	01DW020 ROOM 107	M PRYSBY/E BROWNE	P1
147	LF93240	Lead	0.002	Copper	0.00	01DW020 ROOM 107	M PRYSBY/E BROWNE	P2
148	LF93241	Lead	0.002	Copper	0.00	01DW020 ROOM 107	M PRYSBY/E BROWNE	F01
149	LF93242	Lead	0.001	Copper	0.00	01DW020 ROOM 107	M PRYSBY/E BROWNE	F02
150	LF93243	Lead	0.012	Copper	0.19	01CF022 ROOM 109	TJD/GLK	P1
151	LF93244	Lead	0.006	Copper	0.09	01CF022- ROOM 109	TJD/GLK	P2
152	LF93245	Lead	0.001	Copper	0.00	01CF022- ROOM 109	TJD/GLK	F01
153	LF93246	Lead	0.000	Copper	0.00	01CF022- ROOM 109	TJD/GLK	F02
154	LF93247	Lead	0.011	Copper	0.20	01CF013- ROOM 105	TJD/GLK	P1
155	LF93248	Lead	0.010	Copper	0.12	01CF013- ROOM 105	TJD/GLK	P2
156	LF93249	Lead	0.002	Copper	0.00	01CF013- ROOM 105	TJD/GLK	F01
157	LF93250	Lead	0.000	Copper	0.00	01CF013- ROOM 105	TJD/GLK	F02
158	LF93251	Lead	0.034	Copper	0.21	02KC002- DHHS OFFICE	TJD/GLK	P1
159	LF93252	Lead	0.010	Copper	0.32	02KC002- DHHS OFFICE	TJD/GLK	P2
160	LF93253	Lead	0.004	Copper	0.56	02KC002- DHHS OFFICE	TJD/GLK	F01
161	LF93254	Lead	0.001	Copper	0.18	02KC002- DHHS OFFICE	TJD/GLK	F02
162	LF93255	Lead	0.021	Copper	0.30	02KC001- DHHS OFFICE	TJD/GLK	P1
163	LF93256	Lead	0.008	Copper	0.73	02KC001- DHHS OFFICE	TJD/GLK	P2
164	LF93257	Lead	0.001	Copper	0.19	02KC001- DHHS OFFICE	TJD/GLK	F01
165	LF93258	Lead	0.000	Copper	0.22	02KC001- DHHS OFFICE	TJD/GLK	F02
166	LF93259	Lead	0.011	Copper	0.12	01DW014- ROOM 105	TJD/GLK	P1
167	LF93260	Lead	0.002	Copper	0.06	01DW014- ROOM 105	TJD/GLK	P2
168	LF93261	Lead	0.002	Copper	0.05	01DW014- ROOM 105	TJD/GLK	F01

	A	B	C	D	E	F	G	H
169	LF93262	Lead	0.001	Copper	0.05	01DW014- ROOM 105	TJD/GLK	F02
170	LF93263	Lead	0.009	Copper	0.12	01DW021- ROOM 109	TJD/GLK	P1
171	LF93264	Lead	0.013	Copper	0.21	01DW021- ROOM 109	TJD/GLK	P2
172	LF93265	Lead	0.002	Copper	0.00	01DW021- ROOM 109	TJD/GLK	F01
173	LF93266	Lead	0.001	Copper	0.00	01DW021- ROOM 109	TJD/GLK	F02
174	LF93267	Lead	0.011	Copper	0.17	01CF010- ROOM 100	TJD/GLK	P1
175	LF93268	Lead	0.008	Copper	0.09	01CF010- ROOM 100	TJD/GLK	P2
176	LF93269	Lead	0.002	Copper	0.06	01CF010- ROOM 100	TJD/GLK	F01
177	LF93270	Lead	0.001	Copper	0.06	01CF010- ROOM 100	TJD/GLK	F02
178	LF93271	Lead	0.029	Copper	0.28	01DW005- LOUNGE	TJD/GLK	P1
179	LF93272	Lead	0.069	Copper	0.46	01DW005- LOUNGE	TJD/GLK	P2
180	LF93273	Lead	0.005	Copper	0.15	01DW005- LOUNGE	TJD/GLK	F01
181	LF93274	Lead	0.004	Copper	0.08	01DW005- LOUNGE	TJD/GLK	F02
182	LF93275	Lead	0.025	Copper	0.15	01DW009- ROOM 100	TJD/GLK	P1
183	LF93276	Lead	0.010	Copper	0.10	01DW009- ROOM 100	TJD/GLK	P2
184	LF93277	Lead	0.002	Copper	0.06	01DW009- ROOM 100	TJD/GLK	F01
185	LF93278	Lead	0.002	Copper	0.06	01DW009- ROOM 100	TJD/GLK	F02
186	LF93279	Lead	0.029	Copper	0.31	01KC006- LOUNGE	TJD/GLK	P1
187	LF93280	Lead	0.018	Copper	0.15	01KC006- LOUNGE	TJD/GLK	P2
188	LF93281	Lead	0.004	Copper	0.08	01KC006- LOUNGE	TJD/GLK	F01
189	LF93282	Lead	0.003	Copper	0.07	01KC006- LOUNGE	TJD/GLK	F02
190	LF93283	Lead	0.016	Copper	0.11	01DW017- ROOM 106	TJD/GLK	P1
191	LF93284	Lead	0.007	Copper	0.11	01DW017- ROOM 106	TJD/GLK	P2
192	LF93285	Lead	0.003	Copper	0.06	01DW017- ROOM 106	TJD/GLK	F01
193	LF93286	Lead	0.003	Copper	0.00	01DW017- ROOM 106	TJD/GLK	F02
194	LF93287	Lead	0.005	Copper	0.12	01CF018- ROOM 106	TJD/GLK	P1
195	LF93288	Lead	0.003	Copper	0.06	01CF018- ROOM 106	TJD/GLK	P2
196	LF93289	Lead	0.002	Copper	0.00	01CF018- ROOM 106	TJD/GLK	F01
197	LF93290	Lead	0.001	Copper	0.00	01CF018- ROOM 106	TJD/GLK	F02
198	LF93291	Lead	0.006	Copper	0.11	01DW026- ROOM 110	TJD/GLK	P1
199	LF93292	Lead	0.002	Copper	0.05	01DW026- ROOM 110	TJD/GLK	P2
200	LF93293	Lead	0.002	Copper	0.00	01DW026- ROOM 110	TJD/GLK	F01
201	LF93294	Lead	0.001	Copper	0.00	01DW026- ROOM 110	TJD/GLK	F02
202	LF93295	Lead	0.122	Copper	0.33	01DW029- ROOM 112	TJD/GLK	P1
203	LF93296	Lead	0.020	Copper	0.11	01DW029- ROOM 112	TJD/GLK	P2
204	LF93297	Lead	0.002	Copper	0.06	01DW029- ROOM 112	TJD/GLK	F01
205	LF93298	Lead	0.002	Copper	0.06	01DW029- ROOM 112	TJD/GLK	F02
206	LF93299	Lead	0.057	Copper	0.16	01DW036- ROOM 114	TJD/GLK	P1
207	LF93300	Lead	0.057	Copper	0.15	01DW036- ROOM 114	TJD/GLK	P2
208	LF93301	Lead	0.002	Copper	0.00	01DW036- ROOM 114	TJD/GLK	F01
209	LF93302	Lead	0.000	Copper	0.00	01DW036- ROOM 114	TJD/GLK	F02
210	LF93303	Lead	0.030	Copper	0.32	01CF028- ROOM 112	TJD/GLK	P1

	A	B	C	D	E	F	G	H
211	LF93304	Lead	0.019	Copper	0.16	01CF028- ROOM 112	TJD/GLK	P2
212	LF93305	Lead	0.004	Copper	0.07	01CF028- ROOM 112	TJD/GLK	F01
213	LF93306	Lead	0.000	Copper	0.06	01CF028- ROOM 112	TJD/GLK	F02
214	LF93307	Lead	0.042	Copper	0.49	01CF037- ROOM 114	TJD/GLK	P1
215	LF93308	Lead	0.012	Copper	0.13	01CF037- ROOM 114	TJD/GLK	P2
216	LF93309	Lead	0.002	Copper	0.06	01CF037- ROOM 114	TJD/GLK	F01
217	LF93310	Lead	0.000	Copper	0.05	01CF037- ROOM 114	TJD/GLK	F02
218	LF93311	Lead	0.000	Copper	0.00	01DW033- ROOM 113	TJD/GLK	P1
219	LF93312	Lead	0.001	Copper	0.06	01DW033- ROOM 113	TJD/GLK	P2
220	LF93313	Lead	0.000	Copper	0.05	01DW033- ROOM 113	TJD/GLK	F01
221	LF93314	Lead	0.000	Copper	0.05	01DW033- ROOM 113	TJD/GLK	F02
222	LF93315	Lead	0.011	Copper	0.20	01CF032- ROOM 113	TJD/GLK	P1
223	LF93316	Lead	0.011	Copper	0.13	01CF032- ROOM 113	TJD/GLK	P2
224	LF93317	Lead	0.000	Copper	0.06	01CF032- ROOM 113	TJD/GLK	F01
225	LF93318	Lead	0.000	Copper	0.06	01CF032- ROOM 113	TJD/GLK	F02
226	LF93319	Lead	0.003	Copper	0.18	01CF025- ROOM 110	TJD/GLK	P1
227	LF93320	Lead	0.004	Copper	0.15	01CF025- ROOM 110	TJD/GLK	P2
228	LF93321	Lead	0.002	Copper	0.07	01CF025- ROOM 110	TJD/GLK	F01
229	LF93322	Lead	0.001	Copper	0.05	01CF025- ROOM 110	TJD/GLK	F02

From: Krisztian, George (DEQ)
Sent: Tuesday, December 01, 2015 2:08 PM
To: Devereaux, Tracy Jo (DEQ)
Subject: RE: Spreadsheet for Neithercut

Sounds good,

Let me know if you are missing any of them.

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

PPI

From: Devereaux, Tracy Jo (DEQ)
Sent: Tuesday, December 01, 2015 2:05 PM
To: Krisztian, George (DEQ)
Subject: RE: Spreadsheet for Neithercut

I am working on Brownell right now as the report is already with OEA. I can work on finalizing the rest of them to look like the Eisenhower spreadsheet in anticipation of the reports.

Thanks,

Tracy Jo

From: Krisztian, George (DEQ)
Sent: Tuesday, December 01, 2015 2:01 PM
To: Devereaux, Tracy Jo (DEQ)
Subject: RE: Spreadsheet for Neithercut

Both. Please make it pretty, keeping in mind that Steve will be doing the report within the next week or so. How many spreadsheets have been finalized, do you know?

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

PPI

From: Devereaux, Tracy Jo (DEQ)
Sent: Tuesday, December 01, 2015 1:50 PM
To: Krisztian, George (DEQ)
Subject: RE: Spreadsheet for Neithercut

Is this FYI or are you wanting me to make it look pretty like the other spreadsheets?

Thanks,

Tracy Jo

From: Krisztian, George (DEQ)

Sent: Tuesday, December 01, 2015 1:47 PM

To: Busch, Stephen (DEQ); Devereaux, Tracy Jo (DEQ)

Cc: Shekter Smith, Liane (DEQ); Sygo, Jim (DEQ)

Subject: Spreadsheet for Neithercut

Attached is the lead and copper spreadsheet for Neithercut Elementary.

George L. Krisztian

Flint Action Plan Coordinator

Laboratory Director

Michigan Department of Environmental Quality

Desk ph (517) 284-6719

PPI

From: Krisztian, George (DEQ)
Sent: Wednesday, December 02, 2015 8:27 AM
To: Devereaux, Tracy Jo (DEQ); Busch, Stephen (DEQ)
Cc: Shekter Smith, Liane (DEQ); Sygo, Jim (DEQ)
Subject: RE: Spreadsheet for Neithercut
Attachments: Neithercut results.xlsx

This should have the same columns as the other reports.

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

PPI

From: Devereaux, Tracy Jo (DEQ)
Sent: Wednesday, December 02, 2015 8:05 AM
To: Krisztian, George (DEQ); Busch, Stephen (DEQ)
Cc: Shekter Smith, Liane (DEQ); Sygo, Jim (DEQ)
Subject: RE: Spreadsheet for Neithercut

The Site Code Description is not listed on this spreadsheet...we should be consistent with the other spreadsheets that all have this column thus far.

Thanks,

Tracy Jo

From: Krisztian, George (DEQ)
Sent: Tuesday, December 01, 2015 1:47 PM
To: Busch, Stephen (DEQ); Devereaux, Tracy Jo (DEQ)
Cc: Shekter Smith, Liane (DEQ); Sygo, Jim (DEQ)
Subject: Spreadsheet for Neithercut

Attached is the lead and copper spreadsheet for Neithercut Elementary.

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

PPI

	A	B	C	D	E	F	G
1	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
2	Lead	0.001	Copper	0.26	02KC001- DHHS OFFICE	CA1	First Sequential Sample
3	Lead	0.001	Copper	0.24	02KC001- DHHS OFFICE	CA2	Second Sequential Sample
4	Lead	0.002	Copper	0.22	02KC001- DHHS OFFICE	CA3	Third Sequential Sample
5	Lead	0.002	Copper	0.19	02KC001- DHHS OFFICE	CA4	Forth Sequential Sample
6	Lead	0.002	Copper	0.18	02KC001- DHHS OFFICE	CA5	Fifth Sequential Sample
7	Lead	0.003	Copper	0.17	02KC001- DHHS OFFICE	CA6	Sixth Sequential Sample
8	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA7	Seventh Sequential Sample
9	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA8	Eigth Sequential Sample
10	Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA9	Ninth Sequential Sample
11	Lead	0.002	Copper	0.16	02KC001- DHHS OFFICE	CA10	Tenth Sequential Sample
12	Lead	0.001	Copper	0.10	01KC040- KITCHEN	CB1	First Sequential Sample
13	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB2	Second Sequential Sample
14	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB3	Third Sequential Sample
15	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB4	Forth Sequential Sample
16	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB5	Fifth Sequential Sample
17	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB6	Sixth Sequential Sample
18	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB7	Seventh Sequential Sample
19	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB8	Eigth Sequential Sample
20	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB9	Ninth Sequential Sample
21	Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB10	Tenth Sequential Sample
22	Lead	0.009	Copper	0.13	01KC006- LOUNGE	CC1	First Sequential Sample
23	Lead	0.004	Copper	0.11	01KC006- LOUNGE	CC2	Second Sequential Sample
24	Lead	0.003	Copper	0.07	01KC006- LOUNGE	CC3	Third Sequential Sample
25	Lead	0.003	Copper	0.07	01KC006- LOUNGE	CC4	Forth Sequential Sample
26	Lead	0.003	Copper	0.06	01KC006- LOUNGE	CC5	Fifth Sequential Sample
27	Lead	0.002	Copper	0.06	01KC006- LOUNGE	CC6	Sixth Sequential Sample
28	Lead	0.002	Copper	0.06	01KC006- LOUNGE	CC7	Seventh Sequential Sample
29	Lead	0.002	Copper	0.05	01KC006- LOUNGE	CC8	Eigth Sequential Sample
30	Lead	0.002	Copper	0.05	01KC006- LOUNGE	CC9	Ninth Sequential Sample
31	Lead	0.001	Copper	0.00	01KC006- LOUNGE	CC10	Tenth Sequential Sample
32	Lead	0.012	Copper	0.34	01SP041	CD1	First Sequential Sample
33	Lead	0.004	Copper	0.18	01SP041	CD2	Second Sequential Sample
34	Lead	0.002	Copper	0.13	01SP041	CD3	Third Sequential Sample
35	Lead	0.003	Copper	0.13	01SP041	CD4	Forth Sequential Sample
36	Lead	0.003	Copper	0.12	01SP041	CD5	Fifth Sequential Sample
37	Lead	0.003	Copper	0.12	01SP041	CD6	Sixth Sequential Sample
38	Lead	0.002	Copper	0.12	01SP041	CD7	Seventh Sequential Sample
39	Lead	0.002	Copper	0.12	01SP041	CD8	Eigth Sequential Sample
40	Lead	0.002	Copper	0.11	01SP041	CD9	Ninth Sequential Sample
41	Lead	0.002	Copper	0.10	01SP041	CD10	Tenth Sequential Sample
42	Lead	0.002	Copper	0.08	01CF025- ROOM 110	CE1	First Sequential Sample

	A	B	C	D	E	F	G
43	Lead	0.000	Copper	0.05	01CF025- ROOM 110	CE2	Second Sequential Sample
44	Lead	0.000	Copper	0.05	01CF025- ROOM 110	CE3	Third Sequential Sample
45	Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE4	Forth Sequential Sample
46	Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE5	Fifth Sequential Sample
47	Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE6	Sixth Sequential Sample
48	Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE7	Seventh Sequential Sample
49	Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE8	Eighth Sequential Sample
50	Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE9	Ninth Sequential Sample
51	Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE10	Tenth Sequential Sample
52	Lead	0.003	Copper	0.08	01CF039 ROOM 116	CF1	First Sequential Sample
53	Lead	0.001	Copper	0.06	01CF039 ROOM 116	CF2	Second Sequential Sample
54	Lead	0.001	Copper	0.06	01CF039 ROOM 116	CF3	Third Sequential Sample
55	Lead	0.000	Copper	0.06	01CF039 ROOM 116	CF4	Forth Sequential Sample
56	Lead	0.000	Copper	0.06	01CF039 ROOM 116	CF5	Fifth Sequential Sample
57	Lead	0.000	Copper	0.06	01CF039 ROOM 116	CF6	Sixth Sequential Sample
58	Lead	0.000	Copper	0.05	01CF039 ROOM 116	CF7	Seventh Sequential Sample
59	Lead	0.000	Copper	0.06	01CF039 ROOM 116	CF8	Eighth Sequential Sample
60	Lead	0.000	Copper	0.05	01CF039 ROOM 116	CF9	Ninth Sequential Sample
61	Lead	0.000	Copper	0.05	01CF039 ROOM 116	CF10	Tenth Sequential Sample
62	Lead	0.015	Copper	0.17	01CF016 ROOM 104	P1	First Primary draw of 125 milliliters
63	Lead	0.006	Copper	0.10	01CF016 ROOM 104	P2	Second Primary draw of 125 milliliters
64	Lead	0.001	Copper	0.00	01CF016 ROOM 104	F01	Flush Sample taken 30 Seconds after Second Primary Draw
65	Lead	0.002	Copper	0.00	01CF016 ROOM 104	F02	Flush Sample taken 2 minutes after First Flush Sample
66	Lead	0.016	Copper	0.19	01CF019 ROOM 107	P1	First Primary draw of 125 milliliters
67	Lead	0.010	Copper	0.18	01CF019 ROOM 107	P2	Second Primary draw of 125 milliliters
68	Lead	0.002	Copper	0.00	01CF019 ROOM 107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
69	Lead	0.001	Copper	0.00	01CF019 ROOM 107	F02	Flush Sample taken 2 minutes after First Flush Sample
70	Lead	0.008	Copper	0.13	01DW008 ROOM 101	P1	First Primary draw of 125 milliliters
71	Lead	0.002	Copper	0.10	01DW008 ROOM 101	P2	Second Primary draw of 125 milliliters
72	Lead	0.001	Copper	0.09	01DW008 ROOM 101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
73	Lead	0.001	Copper	0.07	01DW008 ROOM 101	F02	Flush Sample taken 2 minutes after First Flush Sample
74	Lead	0.011	Copper	0.12	01DW015 ROOM 104	P1	First Primary draw of 125 milliliters
75	Lead	0.005	Copper	0.09	01DW015 ROOM 104	P2	Second Primary draw of 125 milliliters
76	Lead	0.001	Copper	0.00	01DW015 ROOM 104	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G
77	Lead	0.001	Copper	0.00	01DW015 ROOM 104	F02	Flush Sample taken 2 minutes after First Flush Sample
78	Lead	0.030	Copper	0.13	01DW012 LIBRARY	P1	First Primary draw of 125 milliliters
79	Lead	0.006	Copper	0.05	01DW012 LIBRARY	P2	Second Primary draw of 125 milliliters
80	Lead	0.002	Copper	0.00	01DW012 LIBRARY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
81	Lead	0.001	Copper	0.00	01DW012 LIBRARY	F02	Flush Sample taken 2 minutes after First Flush Sample
82	Lead	0.314	Copper	0.48	01CF011 LIBRARY	P1	First Primary draw of 125 milliliters
83	Lead	0.247	Copper	0.56	01CF011 LIBRARY	P2	Second Primary draw of 125 milliliters
84	Lead	0.008	Copper	0.07	01CF011 LIBRARY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
85	Lead	0.004	Copper	0.05	01CF011 LIBRARY	F02	Flush Sample taken 2 minutes after First Flush Sample
86	Lead	0.016	Copper	0.21	01DW004 NEXT TO GYM	P1	First Primary draw of 125 milliliters
87	Lead	0.019	Copper	0.19	01DW004 NEXT TO GYM	P2	Second Primary draw of 125 milliliters
88	Lead	0.001	Copper	0.08	01DW004 NEXT TO GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
89	Lead	0.000	Copper	0.07	01DW004 NEXT TO GYM	F02	Flush Sample taken 2 minutes after First Flush Sample
90	Lead	0.029	Copper	0.18	01CF007 ROOM 101	P1	First Primary draw of 125 milliliters
91	Lead	0.016	Copper	0.14	01CF007 ROOM 101	P2	Second Primary draw of 125 milliliters
92	Lead	0.010	Copper	0.12	01CF007 ROOM 101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
93	Lead	0.002	Copper	0.09	01CF007 ROOM 101	F02	Flush Sample taken 2 minutes after First Flush Sample
94	Lead	0.008	Copper	0.15	01DW002 HALL TO RIGHT OF OFFICE	P1	First Primary draw of 125 milliliters
95	Lead	0.001	Copper	0.08	01DW002 HALL TO RIGHT OF OFFICE	P2	Second Primary draw of 125 milliliters
96	Lead	0.002	Copper	0.07	01DW002 HALL TO RIGHT OF OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
97	Lead	0.001	Copper	0.05	01DW002 HALL TO RIGHT OF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
98	Lead	0.012	Copper	0.15	01DW003 NEXT TO GYM	P1	First Primary draw of 125 milliliters
99	Lead	0.002	Copper	0.22	01DW003 NEXT TO GYM	P2	Second Primary draw of 125 milliliters
100	Lead	0.001	Copper	0.13	01DW003 NEXT TO GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
101	Lead	0.000	Copper	0.08	01DW003 NEXT TO GYM	F02	Flush Sample taken 2 minutes after First Flush Sample
102	Lead	0.008	Copper	0.25	01DW001 HALL TO RIGHT OF OFFICE	P1	First Primary draw of 125 milliliters
103	Lead	0.004	Copper	0.39	01DW001 HALL TO RIGHT OF OFFICE	P2	Second Primary draw of 125 milliliters
104	Lead	0.001	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G
105	Lead	0.000	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
106	Lead	0.013	Copper	0.16	01KC040 KITCHEN	P1	First Primary draw of 125 milliliters
107	Lead	0.021	Copper	0.21	01KC040 KITCHEN	P2	Second Primary draw of 125 milliliters
108	Lead	0.000	Copper	0.11	01KC040 KITCHEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw
109	Lead	0.000	Copper	0.00	01KC040 KITCHEN	F02	Flush Sample taken 2 minutes after First Flush Sample
110	Lead	0.025	Copper	0.16	01DW038 ROOM 116	P1	First Primary draw of 125 milliliters
111	Lead	0.017	Copper	0.11	01DW038 ROOM 116	P2	Second Primary draw of 125 milliliters
112	Lead	0.003	Copper	0.06	01DW038 ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
113	Lead	0.001	Copper	0.05	01DW038 ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
114	Lead	0.342	Copper	0.56	01CF039 ROOM 116	P1	First Primary draw of 125 milliliters
115	Lead	0.011	Copper	0.14	01CF039 ROOM 116	P2	Second Primary draw of 125 milliliters
116	Lead	0.001	Copper	0.06	01CF039 ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
117	Lead	0.001	Copper	0.06	01CF039 ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
118	Lead	0.018	Copper	0.14	01DW030 ROOM 112	P1	First Primary draw of 125 milliliters
119	Lead	0.012	Copper	0.13	01DW030 ROOM 112	P2	Second Primary draw of 125 milliliters
120	Lead	0.006	Copper	0.11	01DW030 ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
121	Lead	0.002	Copper	0.06	01DW030 ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
122	Lead	0.013	Copper	0.20	01CF024 ROOM 108	P1	First Primary draw of 125 milliliters
123	Lead	0.007	Copper	0.09	01CF024 ROOM 108	P2	Second Primary draw of 125 milliliters
124	Lead	0.001	Copper	0.05	01CF024 ROOM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
125	Lead	0.001	Copper	0.00	01CF024 ROOM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
126	Lead	0.005	Copper	0.34	01CF027 COPY ROOM	P1	First Primary draw of 125 milliliters
127	Lead	0.013	Copper	0.39	01CF027 COPY ROOM	P2	Second Primary draw of 125 milliliters
128	Lead	0.004	Copper	0.22	01CF027 COPY ROOM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
129	Lead	0.000	Copper	0.08	01CF027 COPY ROOM	F02	Flush Sample taken 2 minutes after First Flush Sample
130	Lead	0.014	Copper	0.42	01CF035 ROOM 115	P1	First Primary draw of 125 milliliters
131	Lead	0.007	Copper	0.15	01CF035 ROOM 115	P2	Second Primary draw of 125 milliliters
132	Lead	0.001	Copper	0.06	01CF035 ROOM 115	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G
133	Lead	0.000	Copper	0.06	01CF035 ROOM 115	F02	Flush Sample taken 2 minutes after First Flush Sample
134	Lead	0.009	Copper	0.11	01DW023 ROOM 108	P1	First Primary draw of 125 milliliters
135	Lead	0.004	Copper	0.15	01DW023 ROOM 108	P2	Second Primary draw of 125 milliliters
136	Lead	0.001	Copper	0.00	01DW023 ROOM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
137	Lead	0.001	Copper	0.00	01DW023 ROOM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
138	Lead	0.020	Copper	0.26	01DW034 ROOM 115	P1	First Primary draw of 125 milliliters
139	Lead	0.012	Copper	0.28	01DW034 ROOM 115	P2	Second Primary draw of 125 milliliters
140	Lead	0.002	Copper	0.08	01DW034 ROOM 115	F01	Flush Sample taken 30 Seconds after Second Primary Draw
141	Lead	0.000	Copper	0.05	01DW034 ROOM 115	F02	Flush Sample taken 2 minutes after First Flush Sample
142	Lead	0.038	Copper	0.39	01CF031 ROOM 112	P1	First Primary draw of 125 milliliters
143	Lead	0.010	Copper	0.17	01CF031 ROOM 112	P2	Second Primary draw of 125 milliliters
144	Lead	0.008	Copper	0.11	01CF031 ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
145	Lead	0.000	Copper	0.07	01CF031 ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
146	Lead	0.019	Copper	0.07	01DW020 ROOM 107	P1	First Primary draw of 125 milliliters
147	Lead	0.002	Copper	0.00	01DW020 ROOM 107	P2	Second Primary draw of 125 milliliters
148	Lead	0.002	Copper	0.00	01DW020 ROOM 107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
149	Lead	0.001	Copper	0.00	01DW020 ROOM 107	F02	Flush Sample taken 2 minutes after First Flush Sample
150	Lead	0.012	Copper	0.19	01CF022 ROOM 109	P1	First Primary draw of 125 milliliters
151	Lead	0.006	Copper	0.09	01CF022- ROOM 109	P2	Second Primary draw of 125 milliliters
152	Lead	0.001	Copper	0.00	01CF022- ROOM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
153	Lead	0.000	Copper	0.00	01CF022- ROOM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
154	Lead	0.011	Copper	0.20	01CF013- ROOM 105	P1	First Primary draw of 125 milliliters
155	Lead	0.010	Copper	0.12	01CF013- ROOM 105	P2	Second Primary draw of 125 milliliters
156	Lead	0.002	Copper	0.00	01CF013- ROOM 105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
157	Lead	0.000	Copper	0.00	01CF013- ROOM 105	F02	Flush Sample taken 2 minutes after First Flush Sample
158	Lead	0.034	Copper	0.21	02KC002- DHHS OFFICE	P1	First Primary draw of 125 milliliters
159	Lead	0.010	Copper	0.32	02KC002- DHHS OFFICE	P2	Second Primary draw of 125 milliliters
160	Lead	0.004	Copper	0.56	02KC002- DHHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G
161	Lead	0.001	Copper	0.18	02KC002- DHHS-OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
162	Lead	0.021	Copper	0.30	02KC001- DHHS OFFICE	P1	First Primary draw of 125 milliliters
163	Lead	0.008	Copper	0.73	02KC001- DHHS OFFICE	P2	Second Primary draw of 125 milliliters
164	Lead	0.001	Copper	0.19	02KC001- DHHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
165	Lead	0.000	Copper	0.22	02KC001- DHHS OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
166	Lead	0.011	Copper	0.12	01DW014- ROOM 105	P1	First Primary draw of 125 milliliters
167	Lead	0.002	Copper	0.06	01DW014- ROOM 105	P2	Second Primary draw of 125 milliliters
168	Lead	0.002	Copper	0.05	01DW014- ROOM 105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
169	Lead	0.001	Copper	0.05	01DW014- ROOM 105	F02	Flush Sample taken 2 minutes after First Flush Sample
170	Lead	0.009	Copper	0.12	01DW021- ROOM 109	P1	First Primary draw of 125 milliliters
171	Lead	0.013	Copper	0.21	01DW021- ROOM 109	P2	Second Primary draw of 125 milliliters
172	Lead	0.002	Copper	0.00	01DW021- ROOM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
173	Lead	0.001	Copper	0.00	01DW021- ROOM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
174	Lead	0.011	Copper	0.17	01CF010- ROOM 100	P1	First Primary draw of 125 milliliters
175	Lead	0.008	Copper	0.09	01CF010- ROOM 100	P2	Second Primary draw of 125 milliliters
176	Lead	0.002	Copper	0.06	01CF010- ROOM 100	F01	Flush Sample taken 30 Seconds after Second Primary Draw
177	Lead	0.001	Copper	0.06	01CF010- ROOM 100	F02	Flush Sample taken 2 minutes after First Flush Sample
178	Lead	0.029	Copper	0.28	01DW005- LOUNGE	P1	First Primary draw of 125 milliliters
179	Lead	0.069	Copper	0.46	01DW005- LOUNGE	P2	Second Primary draw of 125 milliliters
180	Lead	0.005	Copper	0.15	01DW005- LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
181	Lead	0.004	Copper	0.08	01DW005- LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
182	Lead	0.025	Copper	0.15	01DW009- ROOM 100	P1	First Primary draw of 125 milliliters
183	Lead	0.010	Copper	0.10	01DW009- ROOM 100	P2	Second Primary draw of 125 milliliters
184	Lead	0.002	Copper	0.06	01DW009- ROOM 100	F01	Flush Sample taken 30 Seconds after Second Primary Draw
185	Lead	0.002	Copper	0.06	01DW009- ROOM 100	F02	Flush Sample taken 2 minutes after First Flush Sample
186	Lead	0.029	Copper	0.31	01KC006- LOUNGE	P1	First Primary draw of 125 milliliters
187	Lead	0.018	Copper	0.15	01KC006- LOUNGE	P2	Second Primary draw of 125 milliliters
188	Lead	0.004	Copper	0.08	01KC006- LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G
189	Lead	0.003	Copper	0.07	01KC006- LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
190	Lead	0.016	Copper	0.11	01DW017- ROOM 106	P1	First Primary draw of 125 milliliters
191	Lead	0.007	Copper	0.11	01DW017- ROOM 106	P2	Second Primary draw of 125 milliliters
192	Lead	0.003	Copper	0.06	01DW017- ROOM 106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
193	Lead	0.003	Copper	0.00	01DW017- ROOM 106	F02	Flush Sample taken 2 minutes after First Flush Sample
194	Lead	0.005	Copper	0.12	01CF018- ROOM 106	P1	First Primary draw of 125 milliliters
195	Lead	0.003	Copper	0.06	01CF018- ROOM 106	P2	Second Primary draw of 125 milliliters
196	Lead	0.002	Copper	0.00	01CF018- ROOM 106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
197	Lead	0.001	Copper	0.00	01CF018- ROOM 106	F02	Flush Sample taken 2 minutes after First Flush Sample
198	Lead	0.006	Copper	0.11	01DW026- ROOM 110	P1	First Primary draw of 125 milliliters
199	Lead	0.002	Copper	0.05	01DW026- ROOM 110	P2	Second Primary draw of 125 milliliters
200	Lead	0.002	Copper	0.00	01DW026- ROOM 110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
201	Lead	0.001	Copper	0.00	01DW026- ROOM 110	F02	Flush Sample taken 2 minutes after First Flush Sample
202	Lead	0.122	Copper	0.33	01DW029- ROOM 112	P1	First Primary draw of 125 milliliters
203	Lead	0.020	Copper	0.11	01DW029- ROOM 112	P2	Second Primary draw of 125 milliliters
204	Lead	0.002	Copper	0.06	01DW029- ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
205	Lead	0.002	Copper	0.06	01DW029- ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
206	Lead	0.057	Copper	0.16	01DW036- ROOM 114	P1	First Primary draw of 125 milliliters
207	Lead	0.057	Copper	0.15	01DW036- ROOM 114	P2	Second Primary draw of 125 milliliters
208	Lead	0.002	Copper	0.00	01DW036- ROOM 114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
209	Lead	0.000	Copper	0.00	01DW036- ROOM 114	F02	Flush Sample taken 2 minutes after First Flush Sample
210	Lead	0.030	Copper	0.32	01CF028- ROOM 112	P1	First Primary draw of 125 milliliters
211	Lead	0.019	Copper	0.16	01CF028- ROOM 112	P2	Second Primary draw of 125 milliliters
212	Lead	0.004	Copper	0.07	01CF028- ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
213	Lead	0.000	Copper	0.06	01CF028- ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
214	Lead	0.042	Copper	0.49	01CF037- ROOM 114	P1	First Primary draw of 125 milliliters
215	Lead	0.012	Copper	0.13	01CF037- ROOM 114	P2	Second Primary draw of 125 milliliters
216	Lead	0.002	Copper	0.06	01CF037- ROOM 114	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G
217	Lead	0.000	Copper	0.05	01CF037- ROOM 114	F02	Flush Sample taken 2 minutes after First Flush Sample
218	Lead	0.000	Copper	0.00	01DW033- ROOM 113	P1	First Primary draw of 125 milliliters
219	Lead	0.001	Copper	0.06	01DW033- ROOM 113	P2	Second Primary draw of 125 milliliters
220	Lead	0.000	Copper	0.05	01DW033- ROOM 113	F01	Flush Sample taken 30 Seconds after Second Primary Draw
221	Lead	0.000	Copper	0.05	01DW033- ROOM 113	F02	Flush Sample taken 2 minutes after First Flush Sample
222	Lead	0.011	Copper	0.20	01CF032- ROOM 113	P1	First Primary draw of 125 milliliters
223	Lead	0.011	Copper	0.13	01CF032- ROOM 113	P2	Second Primary draw of 125 milliliters
224	Lead	0.000	Copper	0.06	01CF032- ROOM 113	F01	Flush Sample taken 30 Seconds after Second Primary Draw
225	Lead	0.000	Copper	0.06	01CF032- ROOM 113	F02	Flush Sample taken 2 minutes after First Flush Sample
226	Lead	0.003	Copper	0.18	01CF025- ROOM 110	P1	First Primary draw of 125 milliliters
227	Lead	0.004	Copper	0.15	01CF025- ROOM 110	P2	Second Primary draw of 125 milliliters
228	Lead	0.002	Copper	0.07	01CF025- ROOM 110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
229	Lead	0.001	Copper	0.05	01CF025- ROOM 110	F02	Flush Sample taken 2 minutes after First Flush Sample

From: Krisztian, George (DEQ)
Sent: Wednesday, December 02, 2015 1:36 PM
To: Devereaux, Tracy Jo (DEQ)
Subject: RE: Spreadsheets
Attachments: Central Kitchen and Durrant Tuuri Mott.xlsx

Attached is the spreadsheet (2 separate tabs) for the Central Kitchen (Official name) and Durant-Tuuri-Mott.

George

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

PPI

From: Devereaux, Tracy Jo (DEQ)
Sent: Wednesday, December 02, 2015 8:01 AM
To: Krisztian, George (DEQ)
Subject: Spreadsheets

Attached are the spreadsheets I've completed thus far. I have Neithercut left to do and I do NOT have the spreadsheets for the kitchen (what is the official name of the kitchen for the header?) or for Durant-Tuuri-Mott.

Thanks,

Tracy Jo

Tracy Jo Devereaux
Office of Drinking Water and Municipal Assistance
Michigan Department of Environmental Quality
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☎ 517-284-6544
✉ devereauxt@michigan.gov

	A	B	C	D	E	F	G	H
1	SAMPNO	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
2	LF91944	Lead	0.000	Copper	0.08	KC005	CA1	First Sequential Sample
3	LF91945	Lead	0.000	Copper	0.09	KC005	CA2	Second Sequential Sample
4	LF91946	Lead	0.000	Copper	0.09	KC005	CA3	Third Sequential Sample
5	LF91947	Lead	0.000	Copper	0.11	KC005	CA4	Forth Sequential Sample
6	LF91948	Lead	0.000	Copper	0.11	KC005	CA5	Fifth Sequential Sample
7	LF91949	Lead	0.000	Copper	0.09	KC005	CA6	Sixth Sequential Sample
8	LF91950	Lead	0.000	Copper	0.08	KC005	CA7	Seventh Sequential Sample
9	LF91951	Lead	0.000	Copper	0.06	KC005	CA8	Eigth Sequential Sample
10	LF91952	Lead	0.000	Copper	0.06	KC005	CA9	Ninth Sequential Sample
11	LF91953	Lead	0.000	Copper	0.06	KC005	CA10	Tenth Sequential Sample
12	LF91954	Lead	0.000	Copper	0.08	KC009	CB1	First Sequential Sample
13	LF91955	Lead	0.002	Copper	0.09	KC009	CB2	Second Sequential Sample
14	LF91956	Lead	0.001	Copper	0.05	KC009	CB3	Third Sequential Sample
15	LF91957	Lead	0.000	Copper	0.00	KC009	CB4	Forth Sequential Sample
16	LF91958	Lead	0.000	Copper	0.00	KC009	CB5	Fifth Sequential Sample
17	LF91959	Lead	0.000	Copper	0.00	KC009	CB6	Sixth Sequential Sample
18	LF91960	Lead	0.000	Copper	0.00	KC009	CB7	Seventh Sequential Sample
19	LF91961	Lead	0.000	Copper	0.00	KC009	CB8	Eigth Sequential Sample
20	LF91962	Lead	0.000	Copper	0.00	KC009	CB9	Ninth Sequential Sample
21	LF91963	Lead	0.000	Copper	0.00	KC009	CB10	Tenth Sequential Sample
22	LF91964	Lead	0.121	Copper	0.53	KC003	P1	First Primary draw of 125 milliliters
23	LF91965	Lead	0.012	Copper	0.52	KC003	P2	Second Primary draw of 125 milliliters
24	LF91966	Lead	0.001	Copper	0.31	KC003	F01	Flush Sample taken 30 Seconds after Second Primary Draw
25	LF91967	Lead	0.000	Copper	0.20	KC003	F02	Flush Sample taken 2 minutes after First Flush Sample
26	LF91968	Lead	0.004	Copper	0.26	KC001	P1	First Primary draw of 125 milliliters
27	LF91969	Lead	0.005	Copper	0.18	KC001	P2	Second Primary draw of 125 milliliters
28	LF91970	Lead	0.002	Copper	0.09	KC001	F01	Flush Sample taken 30 Seconds after Second Primary Draw
29	LF91971	Lead	0.001	Copper	0.07	KC001	F02	Flush Sample taken 2 minutes after First Flush Sample
30	LF91972	Lead	0.014	Copper	0.31	KC006	P1	First Primary draw of 125 milliliters
31	LF91973	Lead	0.005	Copper	0.39	KC006	P2	Second Primary draw of 125 milliliters
32	LF91974	Lead	0.005	Copper	0.24	KC006	F01	Flush Sample taken 30 Seconds after Second Primary Draw
33	LF91975	Lead	0.001	Copper	0.09	KC006	F02	Flush Sample taken 2 minutes after First Flush Sample
34	LF91976	Lead	0.006	Copper	0.11	KC004	P1	First Primary draw of 125 milliliters
35	LF91977	Lead	0.002	Copper	0.16	KC004	P2	Second Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H
36	LF91978	Lead	0.000	Copper	0.22	KC004	F01	Flush Sample taken 30 Seconds after Second Primary Draw
37	LF91979	Lead	0.000	Copper	0.13	KC004	F02	Flush Sample taken 2 minutes after First Flush Sample
38	LF91980	Lead	0.003	Copper	0.29	KC005	P1	First Primary draw of 125 milliliters
39	LF91981	Lead	0.001	Copper	0.22	KC005	P2	Second Primary draw of 125 milliliters
40	LF91982	Lead	0.000	Copper	0.12	KC005	F01	Flush Sample taken 30 Seconds after Second Primary Draw
41	LF91983	Lead	0.000	Copper	0.06	KC005	F02	Flush Sample taken 2 minutes after First Flush Sample
42	LF91984	Lead	0.004	Copper	0.20	KC009	P1	First Primary draw of 125 milliliters
43	LF91985	Lead	0.002	Copper	0.35	KC009	P2	Second Primary draw of 125 milliliters
44	LF91986	Lead	0.001	Copper	0.13	KC009	F01	Flush Sample taken 30 Seconds after Second Primary Draw
45	LF91987	Lead	0.000	Copper	0.00	KC009	F02	Flush Sample taken 2 minutes after First Flush Sample
46	LF91988	Lead	0.067	Copper	0.89	DW002	P1	First Primary draw of 125 milliliters
47	LF91989	Lead	0.020	Copper	0.46	DW002	P2	Second Primary draw of 125 milliliters
48	LF91990	Lead	0.024	Copper	0.71	DW002	F01	Flush Sample taken 30 Seconds after Second Primary Draw
49	LF91991	Lead	0.008	Copper	0.18	DW002	F02	Flush Sample taken 2 minutes after First Flush Sample
50	LF91992	Lead	0.017	Copper	0.00	KC007	P1	First Primary draw of 125 milliliters
51	LF91993	Lead	0.025	Copper	0.06	KC007	P2	Second Primary draw of 125 milliliters
52	LF91994	Lead	0.002	Copper	0.00	KC007	F01	Flush Sample taken 30 Seconds after Second Primary Draw
53	LF91995	Lead	0.000	Copper	0.00	KC007	F02	Flush Sample taken 2 minutes after First Flush Sample
54	LF91996	Lead	0.006	Copper	0.09	KC008	P1	First Primary draw of 125 milliliters
55	LF91997	Lead	0.005	Copper	0.19	KC008	P2	Second Primary draw of 125 milliliters
56	LF91998	Lead	0.000	Copper	0.00	KC008	F01	Flush Sample taken 30 Seconds after Second Primary Draw
57	LF91999	Lead	0.000	Copper	0.00	KC008	F02	Flush Sample taken 2 minutes after First Flush Sample

	A	B	C	D	E	F	G	H	I
1	SAMPNO	ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description	
2	LF92000	Lead	0.007	Copper	0.29	01CF006 RM47	CA1	First Sequential Sample	
3	LF92001	Lead	0.009	Copper	0.29	01CF006 RM47	CA2	Second Sequential Sample	
4	LF92002	Lead	0.005	Copper	0.28	01CF006 RM47	CA3	Third Sequential Sample	
5	LF92003	Lead	0.005	Copper	0.27	01CF006 RM47	CA4	Forth Sequential Sample	
6	LF92004	Lead	0.003	Copper	0.28	01CF006 RM47	CA5	Fifth Sequential Sample	
7	LF92005	Lead	0.003	Copper	0.27	01CF006 RM47	CA6	Sixth Sequential Sample	
8	LF92006	Lead	0.003	Copper	0.28	01CF006 RM47	CA7	Seventh Sequential Sample	
9	LF92007	Lead	0.003	Copper	0.27	01CF006 RM47	CA8	Eighth Sequential Sample	
10	LF92008	Lead	0.003	Copper	0.27	01CF006 RM47	CA9	Ninth Sequential Sample	
11	LF92009	Lead	0.003	Copper	0.27	01CF006 RM47	CA10	Tenth Sequential Sample	
12	LF92010	Lead	0.013	Copper	1.12	01CF021 INSTRUCTIONAL MATERIALS	CB-1	First Sequential Sample	
13	LF92011	Lead	0.004	Copper	0.25	01CF021 INSTRUCTIONAL MATERIALS	CB-2	Second Sequential Sample	
14	LF92012	Lead	0.002	Copper	0.19	01CF021 INSTRUCTIONAL MATERIALS	CB-3	Third Sequential Sample	
15	LF92013	Lead	0.002	Copper	0.21	01CF021 INSTRUCTIONAL MATERIALS	CB-4	Forth Sequential Sample	
16	LF92014	Lead	0.002	Copper	0.14	01CF021 INSTRUCTIONAL MATERIALS	CB-5	Fifth Sequential Sample	
17	LF92015	Lead	0.002	Copper	0.08	01CF021 INSTRUCTIONAL MATERIALS	CB-6	Sixth Sequential Sample	
18	LF92016	Lead	0.001	Copper	0.06	01CF021 INSTRUCTIONAL MATERIALS	CB-7	Seventh Sequential Sample	
19	LF92017	Lead	0.000	Copper	0.05	01CF021 INSTRUCTIONAL MATERIALS	CB-8	Eighth Sequential Sample	
20	LF92018	Lead	0.000	Copper	0.00	01CF021 INSTRUCTIONAL MATERIALS	CB-9	Ninth Sequential Sample	
21	LF92019	Lead	0.001	Copper	0.00	01CF021 INSTRUCTIONAL MATERIALS	CB-10	Tenth Sequential Sample	
22	LF92020	Lead	0.000	Copper	0.43	BCF048 RM 7	CC-1	First Sequential Sample	
23	LF92021	Lead	0.000	Copper	0.40	BCF048 RM 7	CC2	Second Sequential Sample	
24	LF92022	Lead	0.000	Copper	0.41	BCF048 RM 7	CC3	Third Sequential Sample	
25	LF92023	Lead	0.000	Copper	0.40	BCF048 RM 7	CC4	Forth Sequential Sample	
26	LF92024	Lead	0.000	Copper	0.37	BCF048 RM 7	CC5	Fifth Sequential Sample	
27	LF92025	Lead	0.000	Copper	0.35	BCF048 RM 7	CC6	Sixth Sequential Sample	
28	LF92026	Lead	0.000	Copper	0.32	BCF048 RM 7	CC7	Seventh Sequential Sample	
29	LF92027	Lead	0.001	Copper	0.30	BCF048 RM 7	CC8	Eighth Sequential Sample	
30	LF92028	Lead	0.001	Copper	0.27	BCF048 RM 7	CC9	Ninth Sequential Sample	
31	LF92029	Lead	0.001	Copper	0.23	BCF048 RM 7	C10	Tenth Sequential Sample	
32	LF92030	Lead	0.000	Copper	0.06	01KC041 - RM 53	CD1	First Sequential Sample	
33	LF92031	Lead	0.000	Copper	0.06	01KC041 - RM 53	CD2	Second Sequential Sample	
34	LF92032	Lead	0.000	Copper	0.05	01KC041 - RM 53	CD3	Third Sequential Sample	
35	LF92033	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD4	Forth Sequential Sample	
36	LF92034	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD5	Fifth Sequential Sample	
37	LF92035	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD6	Sixth Sequential Sample	
38	LF92036	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD7	Seventh Sequential Sample	
39	LF92037	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD8	Eighth Sequential Sample	
40	LF92038	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD9	Ninth Sequential Sample	
41	LF92039	Lead	0.000	Copper	0.00	01KC041 - RM 53	CD10	Tenth Sequential Sample	
42	LF92040	Lead	0.004	Copper	0.42	01CF030 - RM59	CE1	First Sequential Sample	

	A	B	C	D	E	F	G	H	I
43	LF92041	Lead	0.003	Copper	0.30	01CF030 - RM59	CE2	Second Sequential Sample	
44	LF92042	Lead	0.002	Copper	0.19	01CF030 - RM59	CE3	Third Sequential Sample	
45	LF92043	Lead	0.003	Copper	0.16	01CF030 - RM59	CE4	Forth Sequential Sample	
46	LF92044	Lead	0.003	Copper	0.12	01CF030 - RM59	CE5	Fifth Sequential Sample	
47	LF92045	Lead	0.002	Copper	0.08	01CF030 - RM59	CE6	Sixth Sequential Sample	
48	LF92046	Lead	0.001	Copper	0.06	01CF030 - RM59	CE7	Seventh Sequential Sample	
49	LF92047	Lead	0.000	Copper	0.06	01CF030 - RM59	CE8	Eighth Sequential Sample	
50	LF92048	Lead	0.000	Copper	0.05	01CF030 - RM59	CE9	Ninth Sequential Sample	
51	LF92049	Lead	0.000	Copper	0.05	01CF030 - RM59	CE10	Tenth Sequential Sample	
52	LF92050	Lead	0.006	Copper	0.12	01DW014 RM 36	P1	First Primary draw of 125 milliliters	
53	LF92051	Lead	0.001	Copper	0.07	01DW014 RM 36	P2	Second Primary draw of 125 milliliters	
54	LF92052	Lead	0.000	Copper	0.06	01DW014 RM 36	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
55	LF92053	Lead	0.000	Copper	0.06	01DW014 RM 36	F02	Flush Sample taken 2 minutes after First Flush Sample	
56	LF92054	Lead	0.013	Copper	0.42	01CF013 RM 36	P1	First Primary draw of 125 milliliters	
57	LF92055	Lead	0.007	Copper	0.36	01CF013 RM 36	P2	Second Primary draw of 125 milliliters	
58	LF92056	Lead	0.002	Copper	0.06	01CF013 RM 36	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
59	LF92057	Lead	0.000	Copper	0.07	01CF013 RM 36	F02	Flush Sample taken 2 minutes after First Flush Sample	
60	LF92058	Lead	0.006	Copper	0.14	01DW017 RM 34	P1	First Primary draw of 125 milliliters	
61	LF92059	Lead	0.004	Copper	0.15	01DW017 RM 34	P2	Second Primary draw of 125 milliliters	
62	LF92060	Lead	0.000	Copper	0.08	01DW017 RM 34	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
63	LF92061	Lead	0.001	Copper	0.06	01DW017 RM 34	F02	Flush Sample taken 2 minutes after First Flush Sample	
64	LF92062	Lead	0.003	Copper	0.82	01KC015 OFFICE	P1	First Primary draw of 125 milliliters	
65	LF92063	Lead	0.002	Copper	0.81	01KC015 OFFICE	P2	Second Primary draw of 125 milliliters	
66	LF92064	Lead	0.001	Copper	0.71	01KC015 OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
67	LF92065	Lead	0.002	Copper	0.60	01KC015 OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample	
68	LF92066	Lead	0.003	Copper	0.19	01CF016 RM 34	P1	First Primary draw of 125 milliliters	
69	LF92067	Lead	0.002	Copper	0.08	01CF016 RM 34	P2	Second Primary draw of 125 milliliters	
70	LF92068	Lead	0.002	Copper	0.07	01CF016 RM 34	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
71	LF92069	Lead	0.000	Copper	0.00	01CF016 RM 34	F02	Flush Sample taken 2 minutes after First Flush Sample	
72	LF92070	Lead	0.011	Copper	0.31	01CF021 ISTR MAT CTR	P1	First Primary draw of 125 milliliters	
73	LF92071	Lead	0.022	Copper	0.33	01CF021 ISTR MAT CTR	P2	Second Primary draw of 125 milliliters	

	A	B	C	D	E	F	G	H	I
74	LF92072	Lead	0.008	Copper	0.49	01CF021 ISTR MAT CTR	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
75	LF92073	Lead	0.002	Copper	0.18	01CF021 ISTR MAT CTR	F02	Flush Sample taken 2 minutes after First Flush Sample	
76	LF92074	Lead	0.005	Copper	0.24	01KC041 RM 53	P1	First Primary draw of 125 milliliters	
77	LF92075	Lead	0.004	Copper	0.17	01KC041 RM 53	P2	Second Primary draw of 125 milliliters	
78	LF92076	Lead	0.003	Copper	0.09	01KC041 RM 53	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
79	LF92077	Lead	0.000	Copper	0.00	01KC041 RM 53	F02	Flush Sample taken 2 minutes after First Flush Sample	
80	LF92078	Lead	0.032	Copper	0.70	BDW043 HALL BET RM 2 & STAIR	P1	First Primary draw of 125 milliliters	
81	LF92079	Lead	0.004	Copper	0.23	BDW043 HALL BET RM 2 & STAIR	P2	Second Primary draw of 125 milliliters	
82	LF92080	Lead	0.006	Copper	0.00	BDW043 HALL BET RM 2 & STAIR	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
83	LF92081	Lead	0.026	Copper	0.00	BDW043 HALL BET RM 2 & STAIR	F02	Flush Sample taken 2 minutes after First Flush Sample	
84	LF92082	Lead	0.049	Copper	0.31	01DW038 HALLWAY BETWEEN 78 & 79	P1	First Primary draw of 125 milliliters	
85	LF92083	Lead	0.008	Copper	0.34	01DW038 HALLWAY BETWEEN 78 & 79	P2	Second Primary draw of 125 milliliters	
86	LF92084	Lead	0.004	Copper	0.13	01DW038 HALLWAY BETWEEN 78 & 79	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
87	LF92085	Lead	0.002	Copper	0.14	01DW038 HALLWAY BETWEEN 78 & 79	F02	Flush Sample taken 2 minutes after First Flush Sample	
88	LF92086	Lead	0.012	Copper	0.34	01KC040 RM 53	P1	First Primary draw of 125 milliliters	
89	LF92087	Lead	0.003	Copper	0.38	01KC040 RM 53	P2	Second Primary draw of 125 milliliters	
90	LF92088	Lead	0.004	Copper	0.31	01KC040 RM 53	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
91	LF92089	Lead	0.004	Copper	0.17	01KC040 RM 53	F02	Flush Sample taken 2 minutes after First Flush Sample	
92	LF92090	Lead	0.005	Copper	0.14	02WC053 ACROSS RM 25	P1	First Primary draw of 125 milliliters	
93	LF92091	Lead	0.005	Copper	0.12	02WC053 ACROSS RM 25	P2	Second Primary draw of 125 milliliters	
94	LF92092	Lead	0.008	Copper	0.00	02WC053 ACROSS RM 25	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
95	LF92093	Lead	0.002	Copper	0.00	02WC053 ACROSS RM 25	F02	Flush Sample taken 2 minutes after First Flush Sample	
96	LF92094	Lead	0.059	Copper	0.62	BDW048A RM 7	P1	First Primary draw of 125 milliliters	
97	LF92095	Lead	0.023	Copper	0.74	BDW048A RM 7	P2	Second Primary draw of 125 milliliters	
98	LF92096	Lead	0.000	Copper	0.44	BDW048A RM 7	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
99	LF92097	Lead	0.000	Copper	0.42	BDW048A RM 7	F02	Flush Sample taken 2 minutes after First Flush Sample	
100	LF92098	Lead	0.005	Copper	0.47	BCF048 RM 7	P1	First Primary draw of 125 milliliters	
101	LF92099	Lead	0.001	Copper	0.45	BCF048 RM 7	P2	Second Primary draw of 125 milliliters	

	A	B	C	D	E	F	G	H	I
102	LF92100	Lead	0.000	Copper	0.43	BCF048 RM 7	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
103	LF92101	Lead	0.000	Copper	0.35	BCF048 RM 7	F02	Flush Sample taken 2 minutes after First Flush Sample	
104	LF92102	Lead	0.215	Copper	14.20	01KC049 RM 13	P1	First Primary draw of 125 milliliters	
105	LF92103	Lead	0.052	Copper	2.20	01KC049 RM 13	P2	Second Primary draw of 125 milliliters	
106	LF92104	Lead	0.015	Copper	0.11	01KC049 RM 13	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
107	LF92105	Lead	0.002	Copper	0.00	01KC049 RM 13	F02	Flush Sample taken 2 minutes after First Flush Sample	
108	LF92106	Lead	0.024	Copper	0.51	BCF045 RM 3	P1	First Primary draw of 125 milliliters	
109	LF92107	Lead	0.040	Copper	0.33	BCF045 RM 3	P2	Second Primary draw of 125 milliliters	
110	LF92108	Lead	0.006	Copper	0.00	BCF045 RM 3	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
111	LF92109	Lead	0.003	Copper	0.00	BCF045 RM 3	F02	Flush Sample taken 2 minutes after First Flush Sample	
112	LF92110	Lead	0.014	Copper	0.14	BCF042 RM 2	P1	First Primary draw of 125 milliliters	
113	LF92111	Lead	0.015	Copper	0.00	BCF042 RM 2	P2	Second Primary draw of 125 milliliters	
114	LF92112	Lead	0.004	Copper	0.00	BCF042 RM 2	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
115	LF92113	Lead	0.013	Copper	0.00	BCF042 RM 2	F02	Flush Sample taken 2 minutes after First Flush Sample	
116	LF92114	Lead	0.072	Copper	0.39	01DW020 RM 32	P1	First Primary draw of 125 milliliters	
117	LF92115	Lead	0.008	Copper	0.06	01DW020 RM 32	P2	Second Primary draw of 125 milliliters	
118	LF92116	Lead	0.001	Copper	0.00	01DW020 RM 32	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
119	LF92117	Lead	0.001	Copper	0.00	01DW020 RM 32	F02	Flush Sample taken 2 minutes after First Flush Sample	
120	LF92118	Lead	0.074	Copper	0.49	01CF010 RM 39	P1	First Primary draw of 125 milliliters	
121	LF92119	Lead	0.015	Copper	0.39	01CF010 RM 39	P2	Second Primary draw of 125 milliliters	
122	LF92120	Lead	0.018	Copper	0.40	01CF010 RM 39	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
123	LF92121	Lead	0.004	Copper	0.29	01CF010 RM 39	F02	Flush Sample taken 2 minutes after First Flush Sample	
124	LF92122	Lead	0.007	Copper	0.13	01DW018 HALL RIGHT OF 34	P1	First Primary draw of 125 milliliters	
125	LF92123	Lead	0.003	Copper	0.22	01DW018 HALL RIGHT OF 34	P2	Second Primary draw of 125 milliliters	
126	LF92124	Lead	0.003	Copper	0.10	01DW018 HALL RIGHT OF 34	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
127	LF92125	Lead	0.003	Copper	0.06	01DW018 HALL RIGHT OF 34	F02	Flush Sample taken 2 minutes after First Flush Sample	
128	LF92126	Lead	0.003	Copper	0.38	01CF019 RM 32	P1	First Primary draw of 125 milliliters	
129	LF92127	Lead	0.008	Copper	0.18	01CF019 RM 32	P2	Second Primary draw of 125 milliliters	

	A	B	C	D	E	F	G	H	I
130	LF92128	Lead	0.000	Copper	0.00	01CF019 RM 32	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
131	LF92129	Lead	0.000	Copper	0.00	01CF019 RM 32	F02	Flush Sample taken 2 minutes after First Flush Sample	
132	LF92130	Lead	0.002	Copper	0.18	01CF011 RM 38	P1	First Primary draw of 125 milliliters	
133	LF92131	Lead	0.009	Copper	0.21	01CF011 RM 38	P2	Second Primary draw of 125 milliliters	
134	LF92132	Lead	0.002	Copper	0.09	01CF011 RM 38	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
135	LF92133	Lead	0.001	Copper	0.07	01CF011 RM 38	F02	Flush Sample taken 2 minutes after First Flush Sample	
136	LF92134	Lead	0.020	Copper	0.25	01DW012 RM 38	P1	First Primary draw of 125 milliliters	
137	LF92135	Lead	0.003	Copper	0.09	01DW012 RM 38	P2	Second Primary draw of 125 milliliters	
138	LF92136	Lead	0.002	Copper	0.07	01DW012 RM 38	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
139	LF92137	Lead	0.001	Copper	0.07	01DW012 RM 38	F02	Flush Sample taken 2 minutes after First Flush Sample	
140	LF92138	Lead	0.003	Copper	0.21	01KC008 LOUNGE	P1	First Primary draw of 125 milliliters	
141	LF92139	Lead	0.005	Copper	0.13	01KC008 LOUNGE	P2	Second Primary draw of 125 milliliters	
142	LF92140	Lead	0.000	Copper	0.10	01KC008 LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
143	LF92255	Lead	0.004	Copper	0.10	01KC008 LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample	
144	LF92256	Lead	0.000	Copper	0.16	01DW003 HALL BTW POOL GYM	P1	First Primary draw of 125 milliliters	
145	LF92257	Lead	0.000	Copper	0.07	01DW003 HALL BTW POOL GYM	P2	Second Primary draw of 125 milliliters	
146	LF92258	Lead	0.039	Copper	0.07	01DW003 HALL BTW POOL GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
147	LF92259	Lead	0.029	Copper	0.06	01DW003 HALL BTW POOL GYM	F02	Flush Sample taken 2 minutes after First Flush Sample	
148	LF92260	Lead	0.038	Copper	0.21	01DW002 HALL BTW POOL GYM	P1	First Primary draw of 125 milliliters	
149	LF92261	Lead	0.009	Copper	0.20	01DW002 HALL BTW POOL GYM	P2	Second Primary draw of 125 milliliters	
150	LF92262	Lead	0.007	Copper	0.09	01DW002 HALL BTW POOL GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
151	LF92263	Lead	0.004	Copper	0.06	01DW002 HALL BTW POOL GYM	F02	Flush Sample taken 2 minutes after First Flush Sample	
152	LF92264	Lead	0.005	Copper	0.22	01DW005 LEFT OF DHHS	P1	First Primary draw of 125 milliliters	
153	LF92265	Lead	0.000	Copper	0.28	01DW005 LEFT OF DHHS	P2	Second Primary draw of 125 milliliters	
154	LF92152	Lead	0.003	Copper	0.31	01DW005 LEFT OF DHHS	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
155	LF92153	Lead	0.002	Copper	0.27	01DW005 LEFT OF DHHS	F02	Flush Sample taken 2 minutes after First Flush Sample	
156	LF92154	Lead	0.005	Copper	0.06	01WC051 RIGHT OF RM 19	P1	First Primary draw of 125 milliliters	
157	LF92155	Lead	0.006	Copper	0.07	01WC051 RIGHT OF RM 19	P2	Second Primary draw of 125 milliliters	

	A	B	C	D	E	F	G	H	I
158	LF92156	Lead	0.010	Copper	0.05	01WC051 RIGHT OF RM 19	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
159	LF92157	Lead	0.004	Copper	0.00	01WC051 RIGHT OF RM 19	F02	Flush Sample taken 2 minutes after First Flush Sample	
160	LF92158	Lead	0.004	Copper	0.49	01CF033- RM 58	P1	First Primary draw of 125 milliliters	
161	LF92159	Lead	0.004	Copper	0.28	01CF033- RM 58	P2	Second Primary draw of 125 milliliters	
162	LF92160	Lead	0.002	Copper	0.19	01CF033- RM 58	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
163	LF92161	Lead	0.001	Copper	0.14	01CF033- RM 58	F02	Flush Sample taken 2 minutes after First Flush Sample	
164	LF92162	Lead	2.856	Copper	23.60	01DW026- RM 62	P1	First Primary draw of 125 milliliters	
165	LF92163	Lead	2.204	Copper	16.90	01DW026- RM 62	P2	Second Primary draw of 125 milliliters	
166	LF92164	Lead	0.219	Copper	2.71	01DW026- RM 62	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
167	LF92165	Lead	0.027	Copper	0.44	01DW026- RM 62	F02	Flush Sample taken 2 minutes after First Flush Sample	
168	LF92166	Lead	0.115	Copper	0.87	01DW022- ROOM 69 HALLWAY	P1	First Primary draw of 125 milliliters	
169	LF92167	Lead	0.058	Copper	0.74	01DW022- ROOM 69 HALLWAY	P2	Second Primary draw of 125 milliliters	
170	LF92168	Lead	0.008	Copper	0.18	01DW022- ROOM 69 HALLWAY	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
171	LF92169	Lead	0.001	Copper	0.12	01DW022- ROOM 69 HALLWAY	F02	Flush Sample taken 2 minutes after First Flush Sample	
172	LF92170	Lead	0.027	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	P1	First Primary draw of 125 milliliters	
173	LF92171	Lead	0.018	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	P2	Second Primary draw of 125 milliliters	
174	LF92172	Lead	0.023	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
175	LF92173	Lead	0.014	Copper	0.00	BDW047 HALL ACROSS FROM RAMP	F02	Flush Sample taken 2 minutes after First Flush Sample	
176	LF92174	Lead	0.608	Copper	4.08	01DW032- RM 75	P1	First Primary draw of 125 milliliters	
177	LF92175	Lead	0.375	Copper	3.60	01DW032- RM 75	P2	Second Primary draw of 125 milliliters	
178	LF92176	Lead	0.045	Copper	0.33	01DW032- RM 75	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
179	LF92177	Lead	0.005	Copper	0.06	01DW032- RM 75	F02	Flush Sample taken 2 minutes after First Flush Sample	
180	LF92178	Lead	0.004	Copper	0.57	01CF027- RM 62	P1	First Primary draw of 125 milliliters	
181	LF92179	Lead	0.004	Copper	1.33	01CF027- RM 62	P2	Second Primary draw of 125 milliliters	
182	LF92180	Lead	0.003	Copper	0.36	01CF027- RM 62	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
183	LF92181	Lead	0.000	Copper	0.11	01CF027- RM 62	F02	Flush Sample taken 2 minutes after First Flush Sample	
184	LF92182	Lead	0.025	Copper	0.35	01CF024 RM 70	P1	First Primary draw of 125 milliliters	
185	LF92183	Lead	0.021	Copper	0.39	01CF024 RM 70	P2	Second Primary draw of 125 milliliters	

	A	B	C	D	E	F	G	H	I
186	LF92184	Lead	0.008	Copper	0.35	01CF024 RM 70	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
187	LF92185	Lead	0.002	Copper	0.16	01CF024 RM 70	F02	Flush Sample taken 2 minutes after First Flush Sample	
188	LF92186	Lead	0.004	Copper	0.00	02WC052 ACROSS FROM RM 24	P1	First Primary draw of 125 milliliters	
189	LF92187	Lead	0.003	Copper	0.00	02WC052 ACROSS FROM RM 24	P2	Second Primary draw of 125 milliliters	
190	LF92188	Lead	0.005	Copper	0.00	02WC052 ACROSS FROM RM 24	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
191	LF92189	Lead	0.003	Copper	0.00	02WC052 ACROSS FROM RM 24	F02	Flush Sample taken 2 minutes after First Flush Sample	
192	LF92190	Lead	0.009	Copper	0.72	01CF031- RM 75	P1	First Primary draw of 125 milliliters	
193	LF92191	Lead	0.007	Copper	0.41	01CF031- RM 75	P2	Second Primary draw of 125 milliliters	
194	LF92192	Lead	0.001	Copper	0.18	01CF031- RM 75	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
195	LF92193	Lead	0.000	Copper	0.09	01CF031- RM 75	F02	Flush Sample taken 2 minutes after First Flush Sample	
196	LF92194	Lead	0.015	Copper	0.38	01CF028- RM 72	P1	First Primary draw of 125 milliliters	
197	LF92195	Lead	0.017	Copper	0.48	01CF028- RM 72	P2	Second Primary draw of 125 milliliters	
198	LF92196	Lead	0.005	Copper	0.39	01CF028- RM 72	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
199	LF92197	Lead	0.000	Copper	0.07	01CF028- RM 72	F02	Flush Sample taken 2 minutes after First Flush Sample	
200	LF92198	Lead	0.009	Copper	0.38	01CF023- RM 64	P1	First Primary draw of 125 milliliters	
201	LF92199	Lead	0.013	Copper	1.29	01CF023- RM 64	P2	Second Primary draw of 125 milliliters	
202	LF92200	Lead	0.008	Copper	0.70	01CF023- RM 64	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
203	LF92201	Lead	0.002	Copper	0.17	01CF023- RM 64	F02	Flush Sample taken 2 minutes after First Flush Sample	
204	LF92202	Lead	0.018	Copper	0.59	01CF035- RM 77	P1	First Primary draw of 125 milliliters	
205	LF92203	Lead	0.007	Copper	0.21	01CF035- RM 77	P2	Second Primary draw of 125 milliliters	
206	LF92204	Lead	0.001	Copper	0.00	01CF035- RM 77	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
207	LF92205	Lead	0.000	Copper	0.00	01CF035- RM 77	F02	Flush Sample taken 2 minutes after First Flush Sample	
208	LF92206	Lead	0.010	Copper	0.52	01CF029- RM 61	P1	First Primary draw of 125 milliliters	
209	LF92207	Lead	0.008	Copper	1.34	01CF029- RM 61	P2	Second Primary draw of 125 milliliters	
210	LF92208	Lead	0.010	Copper	0.51	01CF029- RM 61	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
211	LF92209	Lead	0.001	Copper	0.08	01CF029- RM 61	F02	Flush Sample taken 2 minutes after First Flush Sample	
212	LF92210	Lead	0.007	Copper	0.75	01CF030- RM 59	P1	First Primary draw of 125 milliliters	
213	LF92211	Lead	0.005	Copper	2.17	01CF030- RM 59	P2	Second Primary draw of 125 milliliters	

	A	B	C	D	E	F	G	H	I
214	LF92212	Lead	0.008	Copper	0.64	01CF030- RM 59	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
215	LF92213	Lead	0.002	Copper	0.08	01CF030- RM 59	F02	Flush Sample taken 2 minutes after First Flush Sample	
216	LF92214	Lead	0.020	Copper	0.26	01DW025- RM 70	P1	First Primary draw of 125 milliliters	
217	LF92215	Lead	0.016	Copper	0.29	01DW025- RM 70	P2	Second Primary draw of 125 milliliters	
218	LF92216	Lead	0.004	Copper	0.17	01DW025- RM 70	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
219	LF92217	Lead	0.003	Copper	0.13	01DW025- RM 70	F02	Flush Sample taken 2 minutes after First Flush Sample	
220	LF92218	Lead	0.048	Copper	0.46	01DW036- RM 77	P1	First Primary draw of 125 milliliters	
221	LF92219	Lead	0.009	Copper	0.22	01DW036- RM 77	P2	Second Primary draw of 125 milliliters	
222	LF92220	Lead	0.004	Copper	0.12	01DW036- RM 77	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
223	LF92221	Lead	0.002	Copper	0.00	01DW036- RM 77	F02	Flush Sample taken 2 minutes after First Flush Sample	
224	LF92222	Lead	0.044	Copper	0.35	01DW007 RM 47	P1	First Primary draw of 125 milliliters	
225	LF92223	Lead	0.011	Copper	0.30	01DW007 RM 47	P2	Second Primary draw of 125 milliliters	
226	LF92224	Lead	0.012	Copper	0.36	01DW007 RM 47	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
227	LF92225	Lead	0.005	Copper	0.28	01DW007 RM 47	F02	Flush Sample taken 2 minutes after First Flush Sample	
228	LF92226	Lead	0.003	Copper	0.70	01DW001 POOL AREA	P1	First Primary draw of 125 milliliters	
229	LF92227	Lead	0.002	Copper	0.74	01DW001 POOL AREA	P2	Second Primary draw of 125 milliliters	
230	LF92228	Lead	0.004	Copper	0.35	01DW001 POOL AREA	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
231	LF92229	Lead	0.000	Copper	0.16	01DW001 POOL AREA	F02	Flush Sample taken 2 minutes after First Flush Sample	
232	LF92230	Lead	0.112	Copper	0.28	01CF006 RM 47	P1	First Primary draw of 125 milliliters	
233	LF92231	Lead	0.023	Copper	0.21	01CF006 RM 47	F02	Second Primary draw of 125 milliliters	
234	LF92232	Lead	0.010	Copper	0.31	01CF006 RM 47	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
235	LF92233	Lead	0.002	Copper	0.28	01CF006 RM 47	P2	Flush Sample taken 2 minutes after First Flush Sample	
236	LF92234	Lead	0.020	Copper	0.31	01CF039- RM 79	P1	First Primary draw of 125 milliliters	
237	LF92235	Lead	0.016	Copper	0.27	01CF039- RM 79	P2	Second Primary draw of 125 milliliters	
238	LF92236	Lead	0.000	Copper	0.06	01CF039- RM 79	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
239	LF92237	Lead	0.000	Copper	0.00	01CF039- RM 79	F02	Flush Sample taken 2 minutes after First Flush Sample	
240	LF92238	Lead	0.014	Copper	0.00	01DW050 ACROSS FROM RM 13	P1	First Primary draw of 125 milliliters	
241	LF92239	Lead	0.004	Copper	0.00	01DW050 ACROSS FROM RM 13	P2	Second Primary draw of 125 milliliters	

	A	B	C	D	E	F	G	H	I
242	LF92240	Lead	0.009	Copper	0.00	01DW050 ACROSS FROM RM 13	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
243	LF92241	Lead	0.004	Copper	0.00	01DW050 ACROSS FROM RM 13	F02	Flush Sample taken 2 minutes after First Flush Sample	
244	LF92242	Lead	0.032	Copper	0.88	01CF037 RM 78	P1	First Primary draw of 125 milliliters	
245	LF92243	Lead	0.042	Copper	0.39	01CF037 RM 78	P2	Second Primary draw of 125 milliliters	
246	LF92244	Lead	0.003	Copper	0.20	01CF037 RM 78	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
247	LF92245	Lead	0.000	Copper	0.06	01CF037 RM 78	F02	Flush Sample taken 2 minutes after First Flush Sample	
248	LF92246	Lead	0.016	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	P1	First Primary draw of 125 milliliters	
249	LF92247	Lead	0.015	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	P2	Second Primary draw of 125 milliliters	
250	LF92248	Lead	0.010	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
251	LF92249	Lead	0.004	Copper	0.00	BDW046 HALL ACROSS FROM RAMP	F02	Flush Sample taken 2 minutes after First Flush Sample	
252	LF92250	Lead	0.005	Copper	0.27	01CF009 RM 39	P1	First Primary draw of 125 milliliters	
253	LF92251	Lead	0.003	Copper	0.25	01CF009 RM 39	P2	Second Primary draw of 125 milliliters	
254	LF92252	Lead	0.003	Copper	0.15	01CF009 RM 39	F-01	Flush Sample taken 30 Seconds after Second Primary Draw	
255	LF92253	Lead	0.002	Copper	0.10	01CF009 RM 39	F-02	Flush Sample taken 2 minutes after First Flush Sample	
256	LF92254	Lead	0.002	Copper	0.30	01KC004 KITCHEN	P1	First Primary draw of 125 milliliters	
257	LF92255	Lead	0.004	Copper	0.16	01KC004 KITCHEN	P2	Second Primary draw of 125 milliliters	
258	LF92256	Lead	0.000	Copper	0.18	01KC004 KITCHEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
259	LF92257	Lead	0.000	Copper	0.16	01KC004 KITCHEN	F02	Flush Sample taken 2 minutes after First Flush Sample	
260	LF92258	Lead	0.039	Copper	0.59	BDW044 HALL BET RM 2 & STAIR	P1	First Primary draw of 125 milliliters	
261	LF92259	Lead	0.029	Copper	0.10	BDW044 HALL BET RM 2 & STAIRS	P2	Second Primary draw of 125 milliliters	
262	LF92260	Lead	0.038	Copper	0.11	BDW044 HALL BET RM 2 & STAIR	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
263	LF92261	Lead	0.009	Copper	0.05	BDW044 HALL BET RM 2 & STAIR	F02	Flush Sample taken 2 minutes after First Flush Sample	
264	LF92262	Lead	0.007	Copper	0.37	01CF034- RM 76	P1	First Primary draw of 125 milliliters	
265	LF92263	Lead	0.004	Copper	0.27	01CF034- RM 76	P2	Second Primary draw of 125 milliliters	
266	LF92264	Lead	0.005	Copper	0.15	01CF034- RM 76	F01	Flush Sample taken 30 Seconds after Second Primary Draw	
267	LF92265	Lead	0.000	Copper	0.06	01CF034- RM 76	F02	Flush Sample taken 2 minutes after First Flush Sample	

From: Krisztian, George (DEQ)
Sent: Thursday, December 03, 2015 12:48 PM
To: Tommasulo, Karen (DEQ); Shaw, Eric (DEQ)
Subject: FW: Use these spreadsheets
Attachments: Pierce Spreadsheet.pdf; Brownell Spreadsheet.pdf; Central Kitchen Spreadsheet.pdf; Doyle Ryder Spreadsheet.pdf; Durant-Tuuri-Mott Elementary Spreadsheet.pdf; Eisenhower Spreadsheet.pdf; Neithercut Spreadsheet.pdf

Importance: High

Karen and Eric,

These are the finalized versions of the spreadsheet data for the schools testing. Please use these versions for posting to the web. Eisenhower is the only one scheduled for today but at least you have these for the upcoming releases.

George

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

PPI

From: Devereaux, Tracy Jo (DEQ)
Sent: Thursday, December 03, 2015 12:02 PM
To: Krisztian, George (DEQ)
Subject: Use these spreadsheets
Importance: High

Thanks,

Tracy Jo

Tracy Jo Devereaux
 Office of Drinking Water and Municipal Assistance
 Michigan Department of Environmental Quality
 Constitution Hall, 4th Floor, South Tower, Pillar P8
 525 W. Allegan Street
 Lansing, Michigan 48933
 ☎ 517-284-6544
 ✉ devereauxt@michigan.gov

Pierce Elementary
2500 N. Averill Avenue
Flint, Michigan 48503

Sample ID	Result (mg/L)	Element	Result (ppm)	Sample Description	Draw Date	Test Method/Description
Lead	0.008	Copper	0.17	01W0001	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.60	01W0001	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.17	01W0002	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.005	Copper	0.35	01W0002	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.35	01W0003	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.17	01W0003	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.17	01W0004	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01W0004	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.026	Copper	0.36	01CF001 - RM 109	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.21	01CF001 - RM 109	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.04	01CF001 - RM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.15	01CF001 - RM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01W0005 - RM 109	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0005 - RM 109	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0005 - RM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01W0005 - RM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.25	01W0006 - RM 110	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.15	01W0006 - RM 110	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.11	01W0006 - RM 110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.15	01W0006 - RM 110	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01W0007 - RM 108	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0007 - RM 108	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0007 - RM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01W0007 - RM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01CF002 - RM 108	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CF002 - RM 108	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CF002 - RM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF002 - RM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01W0008 - RM 111	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0008 - RM 111	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0008 - RM 111	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01W0008 - RM 111	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01CF003 - RM 107	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CF003 - RM 107	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CF003 - RM 107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF003 - RM 107	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01W0009 - RM 112	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0009 - RM 112	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.15	01W0009 - RM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01W0009 - RM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01W0010 - RM 108	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0010 - RM 108	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01W0010 - RM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01W0010 - RM 108	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting

Results in RED exceed 15 ppb for lead or 1.3 PPM for Copper

1 ppb = 0.001 mg/L

1 ppb = 0.001 mg/L

1 ppb = 0.001 mg/L

Pierce Elementary
2500 N. Averill Avenue
Flint, Michigan 48503

Location	Lead (ppb)	Copper (ppm)	Result	Sample Description	Sample ID	Sample Description
Lead	0.000	Copper	0.10	02K0021- TEMPORARY CLASSROOM	CA1	First Sequential Sample
Lead	0.000	Copper	0.10	02K0022- TEMPORARY CLASSROOM	CA2	Second Sequential Sample
Lead	0.000	Copper	0.00	02K0023- TEMPORARY CLASSROOM	CA3	Third Sequential Sample
Lead	0.000	Copper	0.00	02K0024- TEMPORARY CLASSROOM	CA4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	02K0025- TEMPORARY CLASSROOM	CA5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	02K0026- TEMPORARY CLASSROOM	CA6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	02K0027- TEMPORARY CLASSROOM	CA7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	02K0028- TEMPORARY CLASSROOM	CA8	Eighth Sequential Sample
Lead	0.000	Copper	0.10	02K0029- TEMPORARY CLASSROOM	CA9	Ninth Sequential Sample
Lead	0.000	Copper	0.10	02K0030- TEMPORARY CLASSROOM	CA10	Tenth Sequential Sample
Lead	0.000	Copper	0.10	02K0031- RM 301	CC1	First Sequential Sample
Lead	0.000	Copper	0.10	02K0032- RM 301	CC2	Second Sequential Sample
Lead	0.000	Copper	0.10	02K0033- RM 301	CC3	Third Sequential Sample
Lead	0.000	Copper	0.10	02K0034- RM 301	CC4	Fourth Sequential Sample
Lead	0.000	Copper	0.10	02K0035- RM 301	CC5	Fifth Sequential Sample
Lead	0.000	Copper	0.10	02K0036- RM 301	CC6	Sixth Sequential Sample
Lead	0.000	Copper	0.10	02K0037- RM 301	CC7	Seventh Sequential Sample
Lead	0.000	Copper	0.10	02K0038- RM 301	CC8	Eighth Sequential Sample
Lead	0.000	Copper	0.10	02K0039- RM 301	CC9	Ninth Sequential Sample
Lead	0.000	Copper	0.10	02K0040- RM 301	CC10	Tenth Sequential Sample
Lead	0.000	Copper	0.10	02K0041- RM 301	CC11	First Sequential Sample
Lead	0.000	Copper	0.10	02K0042- RM 301	CC12	Second Sequential Sample
Lead	0.000	Copper	0.10	02K0043- RM 301	CC13	Third Sequential Sample
Lead	0.000	Copper	0.10	02K0044- RM 301	CC14	Fourth Sequential Sample
Lead	0.000	Copper	0.10	02K0045- RM 301	CC15	Fifth Sequential Sample
Lead	0.000	Copper	0.10	02K0046- RM 301	CC16	Sixth Sequential Sample
Lead	0.000	Copper	0.10	02K0047- RM 301	CC17	Seventh Sequential Sample
Lead	0.000	Copper	0.10	02K0048- RM 301	CC18	Eighth Sequential Sample
Lead	0.000	Copper	0.10	02K0049- RM 301	CC19	Ninth Sequential Sample
Lead	0.000	Copper	0.10	02K0050- RM 301	CC20	Tenth Sequential Sample
Lead	0.000	Copper	0.10	02K0051- RM 301	CC21	First Sequential Sample
Lead	0.000	Copper	0.10	02K0052- RM 301	CC22	Second Sequential Sample
Lead	0.000	Copper	0.10	02K0053- RM 301	CC23	Third Sequential Sample
Lead	0.000	Copper	0.10	02K0054- RM 301	CC24	Fourth Sequential Sample
Lead	0.000	Copper	0.10	02K0055- RM 301	CC25	Fifth Sequential Sample
Lead	0.000	Copper	0.10	02K0056- RM 301	CC26	Sixth Sequential Sample
Lead	0.000	Copper	0.10	02K0057- RM 301	CC27	Seventh Sequential Sample
Lead	0.000	Copper	0.10	02K0058- RM 301	CC28	Eighth Sequential Sample
Lead	0.000	Copper	0.10	02K0059- RM 301	CC29	Ninth Sequential Sample
Lead	0.000	Copper	0.10	02K0060- RM 301	CC30	Tenth Sequential Sample
Lead	0.000	Copper	0.10	02K0061- RM 301	CC31	First Sequential Sample
Lead	0.000	Copper	0.10	02K0062- RM 301	CC32	Second Sequential Sample
Lead	0.000	Copper	0.10	02K0063- RM 301	CC33	Third Sequential Sample
Lead	0.000	Copper	0.10	02K0064- RM 301	CC34	Fourth Sequential Sample
Lead	0.000	Copper	0.10	02K0065- RM 301	CC35	Fifth Sequential Sample
Lead	0.000	Copper	0.10	02K0066- RM 301	CC36	Sixth Sequential Sample
Lead	0.000	Copper	0.10	02K0067- RM 301	CC37	Seventh Sequential Sample
Lead	0.000	Copper	0.10	02K0068- RM 301	CC38	Eighth Sequential Sample
Lead	0.000	Copper	0.10	02K0069- RM 301	CC39	Ninth Sequential Sample
Lead	0.000	Copper	0.10	02K0070- RM 301	CC40	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting

Results in RED exceed 15 ppb for lead or 1.3 PPM for Copper

1 ppb = 0.001 mg/L

Brownell STEM Academy
6302 Oxley Drive
Flint, Michigan 48504

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.027	Copper	0.14	DW013-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.13	DW013-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.09	DW013-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW013-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.038	Copper	0.10	DW021-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.027	Copper	0.00	DW021-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	DW021-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW021-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.00	CF023-RM #7	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.15	CF023-RM #7	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.06	CF023-RM #7	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF023-RM #7	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.016	Copper	0.08	DW014-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.00	DW014-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	DW014-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	DW014-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.016	Copper	0.18	KC019-RM #4	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.28	KC019-RM #4	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	KC019-RM #4	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC019-RM #4	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.033	Copper	0.16	DW020-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.12	DW020-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.020	Copper	0.00	DW020-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW020-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.14	DW002-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.08	DW002-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.00	DW002-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	DW002-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.20	CF022-RM #6	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.22	CF022-RM #6	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	CF022-RM #6	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	CF022-RM #6	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.07	CF006-RM 26	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.15	CF006-RM 26	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.16	CF006-RM 26	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF006-RM 26	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.056	Copper	0.21	CF004-RM 17	P1	First Primary draw of 125 milliliters
Lead	0.029	Copper	0.14	CF004-RM 17	P2	Second Primary draw of 125 milliliters
Lead	0.007	Copper	0.16	CF004-RM 17	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.17	CF004-RM 17	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Brownell STEM Academy
6302 Oxley Drive
Flint, Michigan 48504

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.011	Copper	0.14	KC016-RM-#1	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.14	KC016-RM-#1	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	KC016-RM-#1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC016-RM-#1	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.013	Copper	0.18	KC017-RM-#2	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.18	KC017-RM-#2	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	KC017-RM-#2	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC017-RM-#2	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.09	CF018-RM-#4	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.11	CF018-RM-#4	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	CF018-RM-#4	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF018-RM-#4	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.13	KC015-RM-#1	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.27	KC015-RM-#1	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	KC015-RM-#1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	KC015-RM-#1	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.031	Copper	0.08	CF005-RM 17	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.07	CF005-RM 17	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	CF005-RM 17	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	CF005-RM 17	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.064	Copper	0.11	DW001-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.09	DW001-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.09	DW001-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	DW001-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.023	Copper	0.33	DW009-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.09	DW009-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.00	DW009-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW009-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.029	Copper	0.19	CF010-RM 27	P1	First Primary draw of 125 milliliters
Lead	0.034	Copper	0.16	CF010-RM 27	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	CF010-RM 27	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF010-RM 27	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.164	Copper	2.04	CF007-RM 26	P1	First Primary draw of 125 milliliters
Lead	0.166	Copper	1.78	CF007-RM 26	P2	Second Primary draw of 125 milliliters
Lead	0.015	Copper	0.78	CF007-RM 26	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	CF007-RM 26	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.14	CF003-RM 15	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.11	CF003-RM 15	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.09	CF003-RM 15	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF003-RM 15	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppt for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Brownell STEM Academy
6302 Oxley Drive
Flint, Michigan 48504

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.000	Copper	0.06	CF012	P1	First Primary draw of 125 milliliters
Lead	0.014	Copper	0.13	CF012	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	CF012	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF012	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.56	DW001-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.016	Copper	0.57	DW001-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.39	DW001-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	DW001-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.42	DW005-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.10	DW005-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.00	DW005-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	DW005-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.17	CF004 - RM #17	C01	First Sequential Sample
Lead	0.003	Copper	0.17	CF004 - RM #17	C02	Second Sequential Sample
Lead	0.003	Copper	0.18	CF004 - RM #17	C03	Third Sequential Sample
Lead	0.001	Copper	0.19	CF004 - RM #17	C04	Fourth Sequential Sample
Lead	0.002	Copper	0.20	CF004 - RM #17	C05	Fifth Sequential Sample
Lead	0.002	Copper	0.19	CF004 - RM #17	C06	Sixth Sequential Sample
Lead	0.002	Copper	0.19	CF004 - RM #17	C07	Seventh Sequential Sample
Lead	0.002	Copper	0.19	CF004 - RM #17	C08	Eighth Sequential Sample
Lead	0.002	Copper	0.16	CF004 - RM #17	C09	Ninth Sequential Sample
Lead	0.002	Copper	0.17	CF004 - RM #17	C010	Tenth Sequential Sample
Lead	0.002	Copper	0.00	CF012 -	CB1	First Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB2	Second Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB3	Third Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB10	Tenth Sequential Sample
Lead	0.002	Copper	0.00	CF004	C01	First Sequential Sample
Lead	0.000	Copper	0.00	CF004	C02	Second Sequential Sample
Lead	0.001	Copper	0.00	CF004	C03	Third Sequential Sample
Lead	0.001	Copper	0.00	CF004	C04	Fourth Sequential Sample
Lead	0.000	Copper	0.00	CF004	C05	Fifth Sequential Sample
Lead	0.000	Copper	0.00	CF004	C06	Sixth Sequential Sample
Lead	0.000	Copper	0.00	CF004	C07	Seventh Sequential Sample
Lead	0.000	Copper	0.00	CF004	C08	Eighth Sequential Sample
Lead	0.001	Copper	0.00	CF004	C09	Ninth Sequential Sample
Lead	0.001	Copper	0.00	CF004	C010	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Flint Community Schools Central Kitchen
305 Walnut Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.121	Copper	0.53	KC003	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.52	KC003	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.31	KC003	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.20	KC003	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.26	KC001	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.18	KC001	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.09	KC001	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	KC001	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.31	KC006	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.39	KC006	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.24	KC006	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.09	KC006	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.11	KC004	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.16	KC004	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.22	KC004	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.13	KC004	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.29	KC005	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.22	KC005	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.12	KC005	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	KC005	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.20	KC009	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.35	KC009	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.13	KC009	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC009	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.067	Copper	0.89	DW002	P1	First Primary draw of 125 milliliters
Lead	0.020	Copper	0.46	DW002	P2	Second Primary draw of 125 milliliters
Lead	0.024	Copper	0.71	DW002	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.008	Copper	0.18	DW002	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.017	Copper	0.00	KC007	P1	First Primary draw of 125 milliliters
Lead	0.025	Copper	0.06	KC007	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	KC007	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC007	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.09	KC008	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.19	KC008	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	KC008	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC008	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Flint Community Schools Central Kitchen
305 Walnut Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.000	Copper	0.08	KC005	CA1	First Sequential Sample
Lead	0.000	Copper	0.09	KC005	CA2	Second Sequential Sample
Lead	0.000	Copper	0.09	KC005	CA3	Third Sequential Sample
Lead	0.000	Copper	0.11	KC005	CA4	Forth Sequential Sample
Lead	0.000	Copper	0.11	KC005	CA5	Fifth Sequential Sample
Lead	0.000	Copper	0.09	KC005	CA6	Sixth Sequential Sample
Lead	0.000	Copper	0.08	KC005	CA7	Seventh Sequential Sample
Lead	0.000	Copper	0.06	KC005	CA8	Eigth Sequential Sample
Lead	0.000	Copper	0.06	KC005	CA9	Ninth Sequential Sample
Lead	0.000	Copper	0.06	KC005	CA10	Tenth Sequential Sample
Lead	0.000	Copper	0.08	KC009	CB1	First Sequential Sample
Lead	0.002	Copper	0.09	KC009	CB2	Second Sequential Sample
Lead	0.001	Copper	0.05	KC009	CB3	Third Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB4	Forth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB6	Sorth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB8	Eigth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Doyle Ryder Elementary
1040 N. Saginaw Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.011	Copper	0.27	02KC052 TEACHERS LOUNGE	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.17	02KC052 TEACHERS LOUNGE	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.11	02KC052 TEACHERS LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	02KC052 TEACHERS LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.18	02WC050 RIGHT OF ELEV	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.20	02WC050 RIGHT OF ELEV	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.21	02WC050 RIGHT OF ELEV	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.005	Copper	0.15	02WC050 RIGHT OF ELEV	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.16	03WC054 RIGHT OF ELEV	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.16	03WC054 RIGHT OF ELEV	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.14	03WC054 RIGHT OF ELEV	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.12	03WC054 RIGHT OF ELEV	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.27	01DW015 RM 151	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.09	01DW015 RM 151	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01DW015	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	01DW015 RM 151	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.16	02WC051 RIGHT OF ELEV	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.15	02WC051 RIGHT OF ELEV	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.14	02WC051 RIGHT OF ELEV	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.005	Copper	0.12	02WC051 RIGHT OF ELEV	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.12	03KC056 KITCHEN	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.08	03KC056 KITCHEN	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.07	03KC056 KITCHEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	03KC056 KITCHEN	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.28	03WC053 RIGHT OF ELEV	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.32	03WC053 RIGHT OF ELEV	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.26	03WC053 RIGHT OF ELEV	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.004	Copper	0.15	03WC053 RIGHT OF ELEV	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.10	01CF016 RM 151	P1	First Primary draw of 125 milliliters
Lead	0.014	Copper	0.09	01CF016 RM 151	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01CF016 RM 151	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF016 RM 151	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.40	01WC043 MAIN CORRIDOR	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.41	01WC043 MAIN CORRIDOR	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.13	01WC043	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.10	01WC043 MAIN CORRIDOR	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.17	03KC055 KITCHEN	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.14	03KC055 KITCHEN	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.09	03KC055 KITCHEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	03KC055 KITCHEN	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.11	01CF014 RM 152	P1	First Primary draw of 125 milliliters
Lead	0.013	Copper	0.17	01CF014 RM 152	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01CF014 RM 152	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF014 RM 152	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.20	01DW013 RM 152	P1	First Primary draw of 125 milliliters
Lead	0.013	Copper	0.15	01DW013	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.07	01DW013 RM 152	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	01DW013 RM 152	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Doyle Ryder Elementary
1040 N. Saginaw Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.043	Copper	0.00	02DW042 RM 262	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.00	02DW042 RM 262	P2	Second Primary draw of 125 milliliters
Lead	0.009	Copper	0.00	02DW042 RM 262	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.006	Copper	0.00	02DW042 RM 262	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.040	Copper	0.09	02CF041 RM 262	P1	First Primary draw of 125 milliliters
Lead	0.152	Copper	0.21	02CF041 RM 262	P2	Second Primary draw of 125 milliliters
Lead	0.038	Copper	0.00	02CF041 RM 262	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.006	Copper	0.00	02CF041 RM 262	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.013	Copper	0.08	02CF030 RM 254	P1	First Primary draw of 125 milliliters
Lead	0.017	Copper	0.14	02CF030 RM 254	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	02CF030 RM 254	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	02CF030 RM 254	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.142	Copper	0.12	02CF039 RM 260	P1	First Primary draw of 125 milliliters
Lead	0.209	Copper	0.19	02CF039 RM 260	P2	Second Primary draw of 125 milliliters
Lead	0.066	Copper	0.12	02CF039 RM 260	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.014	Copper	0.00	02CF039 RM 260	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.08	02CF036 RM 251	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.17	02CF036 RM 251	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.07	02CF036 RM 251	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	02CF036 RM 251	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.22	01DW037 GYM 1ST FLOOR	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.18	01DW037	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	01DW037 GYM 1ST FLOOR	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW037 GYM 1ST FLOOR	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.24	02DW033 RM 252	P1	First Primary draw of 125 milliliters
Lead	0.016	Copper	0.20	02DW033 RM 252	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.09	02DW033 RM 252	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.09	02DW033 RM 252	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.045	Copper	0.09	02DW040 RM 260	P1	First Primary draw of 125 milliliters
Lead	0.029	Copper	0.06	02DW040 RM 260	P2	Second Primary draw of 125 milliliters
Lead	0.018	Copper	0.05	02DW040 RM 260	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.015	Copper	0.00	02DW040 RM 260	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.025	Copper	0.22	02DW031 RM 253	P1	First Primary draw of 125 milliliters
Lead	0.041	Copper	0.17	02DW031 RM 253	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	02DW031 RM 253	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	02DW031 RM 253	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.00	01DW038 GYM 1ST FLOOR	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW038 GYM 1ST FLOOR	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW038 1ST FLOOR GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW038 GYM 1ST FLOOR	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.023	Copper	0.14	02DW029 RM 254	P1	First Primary draw of 125 milliliters
Lead	0.032	Copper	0.15	02DW029 RM 254	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	02DW029	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	02DW029	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.10	01CF018 RM 155	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.10	01CF018 RM 155	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.09	01CF018 RM 155	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.08	01CF018 RM 155	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Doyle Ryder Elementary
1040 N. Saginaw Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.015	Copper	0.05	02CF032	P1	First Primary draw of 125 milliliters
Lead	0.020	Copper	0.18	02CF032 RM 253	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.00	02CF032 RM 253	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	02CF032 RM 253	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.024	Copper	0.10	02CF026 RM 259	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.15	02CF026 RM 259	P2	Second Primary draw of 125 milliliters
Lead	0.007	Copper	0.08	02CF026 RM 259	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	02CF026 RM 259	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.013	Copper	0.13	01DW017 RM 155	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.09	01DW017 RM 155	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.08	01DW017 RM 155	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.09	01DW017 RM 155	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.26	01KC049 RM 110	P1	First Primary draw of 125 milliliters
Lead	0.071	Copper	0.15	01KC049 RM 110	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.09	01KC049 RM 110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.010	Copper	0.11	01KC049 RM 110	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.042	Copper	0.17	01KC044 PRINCIPAL LAV	P1	First Primary draw of 125 milliliters
Lead	0.050	Copper	0.14	01KC044 PRINCIPAL LAV	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.07	01KC044 PRINCIPAL LAV	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	01KC044 PRINCIPAL LAV	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.022	Copper	0.26	01CF047 RM 111	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.31	01CF047 RM 111	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.17	01CF047 RM 111	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.09	01CF047 RM 111	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.022	Copper	0.15	01KC048 RM 110	P1	First Primary draw of 125 milliliters
Lead	0.023	Copper	0.15	01KC048 RM 110	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.11	01KC048 RM 110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.005	Copper	0.09	01KC048 RM 110	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.21	01DW010 RM 154	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01DW010 RM 154	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.05	01DW010 RM 154	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW010 RM 154	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.18	01DW011 RM 153	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.08	01DW011 RM 153	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01DW011 RM 153	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW011 RM 153	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.16	01WC005 1ST FLR GANG	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.19	01WC005 1ST FLR GANG	P2	Second Primary draw of 125 milliliters
Lead	0.026	Copper	0.18	01WC005 1ST FLR GANG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.004	Copper	0.10	01WC005 1ST FLR GANG	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.30	01WC006 1ST FLR GANG	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.32	01WC006 1ST FLR GANG	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.23	01WC006 1ST FLR GANG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.10	01WC006 1ST FLR GANG	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.34	02WC027 2ND FLR GANG	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.34	02WC027 2ND FLR GANG	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.12	02WC027 2ND FLR GANG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.08	02WC027 2ND FLR GANG	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Doyle Ryder Elementary
1040 N. Saginaw Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.004	Copper	0.09	02CF034 RM 252	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.16	02CF034 RM 252	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.09	02CF034 RM 252	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	02CF034 RM 252	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.28	02DW025 RM 259	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.13	02DW025 RM 259	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.08	02DW025 RM 259	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.08	02DW025 RM 259	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.20	02DW023 RM 256	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.14	02DW023 RM 256	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.08	02DW023 RM 256	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.08	02DW023 RM 256	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.09	01CF009 RM 154	P1	First Primary draw of 125 milliliters
Lead	0.014	Copper	0.23	01CF009 RM 154	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.08	01CF009 RM 154	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF009 RM 154	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.31	02DW035 RM 251	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.16	02DW035 RM 251	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.08	02DW035 RM 251	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	02DW035 RM 251	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.07	02CF024 RM 256	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.18	02CF024 RM 256	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.08	02CF024 RM 256	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	02CF024 RM 256	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.12	01CF012 RM 153	P1	First Primary draw of 125 milliliters
Lead	0.013	Copper	0.14	01CF012 RM 153	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01CF012 RM 153	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	01CF012 RM 153	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.18	02DW022 RM 257	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.05	02DW022 RM 257	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	02DW022 RM 257	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	02DW022 RM 257	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.06	02CF019 RM 258	P1	First Primary draw of 125 milliliters
Lead	0.022	Copper	0.22	02CF019 RM 258	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	02CF019 RM 258	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	02CF019 RM 258	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.19	02DW020 RM 258	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.06	02DW020 RM 258	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	02DW020 RM 258	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	02DW020 RM 258	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.13	01CF003 RM 160	P1	First Primary draw of 125 milliliters
Lead	0.028	Copper	0.18	01CF003 RM 160	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01CF003 RM 160	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF003 RM 160	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.18	01DW002 RM 159	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.05	01DW002 RM 159	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW002 RM 159	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW002 RM 159	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Doyle Ryder Elementary
1040 N. Saginaw Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.011	Copper	0.06	01CF008 RM 156	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.12	01CF008 RM 156	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.09	01CF008 RM 156	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	01CF008 RM 156	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.33	01DW004 RM 160	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.09	01DW004 RM 160	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.05	01DW004 RM 160	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01DW004 RM 160	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.08	02CF021 RM 257	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.22	02CF021 RM 257	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	02CF021 RM 257	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	02CF021 RM 257	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.08	01CF001 RM 159	P1	First Primary draw of 125 milliliters
Lead	0.014	Copper	0.12	01CF001 RM 159	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.07	01CF001 RM 159	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF001 RM 159	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.09	01CF001 RM 159	CA1	First Sequential Sample
Lead	0.001	Copper	0.06	01CF001 RM 159	CA2	Second Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA3	Third Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01CF001 RM 159	CA10	Tenth Sequential Sample
Lead	0.008	Copper	0.13	01CF018 RM 155	CB1	First Sequential Sample
Lead	0.003	Copper	0.07	01CF018 RM 155	CB2	Second Sequential Sample
Lead	0.003	Copper	0.07	01CF018 RM 155	CB3	Third Sequential Sample
Lead	0.002	Copper	0.07	01CF018 RM 155	CB4	Fourth Sequential Sample
Lead	0.002	Copper	0.06	01CF018 RM 155	CB5	Fifth Sequential Sample
Lead	0.002	Copper	0.06	01CF018 RM 155	CB6	Sixth Sequential Sample
Lead	0.002	Copper	0.06	01CF018 RM 155	CB7	Seventh Sequential Sample
Lead	0.002	Copper	0.06	01CF018 RM 155	CB8	Eighth Sequential Sample
Lead	0.002	Copper	0.06	01CF018 RM 155	CB9	Ninth Sequential Sample
Lead	0.002	Copper	0.06	01CF018 RM 155	CB10	Tenth Sequential Sample
Lead	0.013	Copper	0.08	02CF030 RM 254	CC1	First Sequential Sample
Lead	0.003	Copper	0.05	02CF030 RM 254	CC2	Second Sequential Sample
Lead	0.002	Copper	0.00	02CF030 RM 254	CC3	Third Sequential Sample
Lead	0.002	Copper	0.00	02CF030 RM 254	CC4	Fourth Sequential Sample
Lead	0.002	Copper	0.00	02CF030 RM 254	CC5	Fifth Sequential Sample
Lead	0.002	Copper	0.00	02CF030 RM 254	CC6	Sixth Sequential Sample
Lead	0.002	Copper	0.06	02CF030 RM 254	CC7	Seventh Sequential Sample
Lead	0.002	Copper	0.00	02CF030 RM 254	CC8	Eighth Sequential Sample
Lead	0.001	Copper	0.00	02CF030 RM 254	CC9	Ninth Sequential Sample
Lead	0.001	Copper	0.00	02CF030 RM 254	CC10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Doyle Ryder Elementary
1040 N. Saginaw Street
Flint, Michigan 48503

Sample ID	Sample Type	Material	Result (ppm)	Location	Sample
Lead	0.000	Copper	0.11	02K0015 TEACHERS LOUNGE	CE1
Lead	0.000	Copper	0.05	02K0016 TEACHERS LOUNGE	CE2
Lead	0.000	Copper	0.07	02K0017 TEACHERS LOUNGE	CE3
Lead	0.000	Copper	0.16	02K0018 TEACHERS LOUNGE	CE4
Lead	0.000	Copper	0.09	02K0019 TEACHERS LOUNGE	CE5
Lead	0.000	Copper	0.07	02K0020 TEACHERS LOUNGE	CE6
Lead	0.000	Copper	0.00	02K0021 TEACHERS LOUNGE	CE7
Lead	0.000	Copper	0.00	02K0022 TEACHERS LOUNGE	CE8
Lead	0.000	Copper	0.00	02K0023 TEACHERS LOUNGE	CE9
Lead	0.000	Copper	0.00	02K0024 TEACHERS LOUNGE	CE10
Lead	0.000	Copper	0.00	02K0025 TEACHERS LOUNGE	CE11
Lead	0.000	Copper	0.00	02K0026 TEACHERS LOUNGE	CE12
Lead	0.000	Copper	0.00	02K0027 TEACHERS LOUNGE	CE13
Lead	0.000	Copper	0.00	02K0028 TEACHERS LOUNGE	CE14
Lead	0.000	Copper	0.00	02K0029 TEACHERS LOUNGE	CE15
Lead	0.000	Copper	0.00	02K0030 TEACHERS LOUNGE	CE16
Lead	0.000	Copper	0.00	02K0031 TEACHERS LOUNGE	CE17
Lead	0.000	Copper	0.00	02K0032 TEACHERS LOUNGE	CE18
Lead	0.000	Copper	0.00	02K0033 TEACHERS LOUNGE	CE19
Lead	0.000	Copper	0.00	02K0034 TEACHERS LOUNGE	CE20
Lead	0.000	Copper	0.00	02K0035 TEACHERS LOUNGE	CE21
Lead	0.000	Copper	0.00	02K0036 TEACHERS LOUNGE	CE22
Lead	0.000	Copper	0.00	02K0037 TEACHERS LOUNGE	CE23
Lead	0.000	Copper	0.00	02K0038 TEACHERS LOUNGE	CE24
Lead	0.000	Copper	0.00	02K0039 TEACHERS LOUNGE	CE25
Lead	0.000	Copper	0.00	02K0040 TEACHERS LOUNGE	CE26
Lead	0.000	Copper	0.00	02K0041 TEACHERS LOUNGE	CE27
Lead	0.000	Copper	0.00	02K0042 TEACHERS LOUNGE	CE28
Lead	0.000	Copper	0.00	02K0043 TEACHERS LOUNGE	CE29
Lead	0.000	Copper	0.00	02K0044 TEACHERS LOUNGE	CE30

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper.
1 ppb = 0.001 mg/L.

**Durant-Tuuri-Mott Elementary
151B University Avenue
Flint, Michigan 48504**

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.004	Copper	0.42	01CF030 - RM59	CE1	First Sequential Sample
Lead	0.003	Copper	0.30	01CF030 - RM59	CE2	Second Sequential Sample
Lead	0.002	Copper	0.19	01CF030 - RM59	CE3	Third Sequential Sample
Lead	0.003	Copper	0.16	01CF030 - RM59	CE4	Fourth Sequential Sample
Lead	0.003	Copper	0.12	01CF030 - RM59	CE5	Fifth Sequential Sample
Lead	0.002	Copper	0.08	01CF030 - RM59	CE6	Sixth Sequential Sample
Lead	0.001	Copper	0.06	01CF030 - RM59	CE7	Seventh Sequential Sample
Lead	0.000	Copper	0.06	01CF030 - RM59	CE8	Eighth Sequential Sample
Lead	0.000	Copper	0.05	01CF030 - RM59	CE9	Ninth Sequential Sample
Lead	0.000	Copper	0.05	01CF030 - RM59	CE10	Tenth Sequential Sample

Note: Results of 'Not Detected' have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper.
1 ppb = 0.001 mg/L.

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.015	Copper	0.17	01CF016 ROOM 104	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.10	01CF016 ROOM 104	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01CF016 ROOM 104	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	01CF016 ROOM 104	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.18	01CF019 ROOM 107	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.16	01CF019 ROOM 107	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	01CF019 ROOM 107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01CF019 ROOM 107	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.13	01DW008 ROOM 101	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.10	01DW008 ROOM 101	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.09	01DW008 ROOM 101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	01DW008 ROOM 101	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.12	01DW015 ROOM 104	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.09	01DW015 ROOM 104	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01DW015 ROOM 104	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01DW015 ROOM 104	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.13	01DW012 LIBRARY	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.05	01DW012 LIBRARY	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW012 LIBRARY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	01DW012 LIBRARY	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.44	01CF011 LIBRARY	P1	First Primary draw of 125 milliliters
Lead	0.047	Copper	0.56	01CF011 LIBRARY	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.07	01CF011 LIBRARY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.006	Copper	0.85	01CF011 LIBRARY	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.018	Copper	0.21	01DW004 NEXT TO GYM	P1	First Primary draw of 125 milliliters
Lead	0.019	Copper	0.19	01DW004 NEXT TO GYM	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.08	01DW004 NEXT TO GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	01DW004 NEXT TO GYM	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.023	Copper	0.18	01CF007 ROOM 101	P1	First Primary draw of 125 milliliters
Lead	0.018	Copper	0.14	01CF007 ROOM 101	P2	Second Primary draw of 125 milliliters
Lead	0.010	Copper	0.15	01CF007 ROOM 101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.04	01CF007 ROOM 101	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.15	01DW002 HALL TO RIGHT OF OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.08	01DW002 HALL TO RIGHT OF OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.07	01DW002 HALL TO RIGHT OF OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01DW002 HALL TO RIGHT OF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.13	01DW003 NEXT TO GYM	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.22	01DW003 NEXT TO GYM	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.13	01DW003 NEXT TO GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.004	Copper	0.04	01DW003 NEXT TO GYM	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.25	01DW001 HALL TO RIGHT OF OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.39	01DW001 HALL TO RIGHT OF OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.013	Copper	0.18	01KC040 KITCHEN	P1	First Primary draw of 125 milliliters
Lead	0.021	Copper	0.21	01KC040 KITCHEN	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.11	01KC040 KITCHEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.01	01KC040 KITCHEN	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.025	Copper	0.16	01DW038 ROOM 116	P1	First Primary draw of 125 milliliters
Lead	0.017	Copper	0.11	01DW038 ROOM 116	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	01DW038 ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01DW038 ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.032	Copper	0.58	01CF039 ROOM 116	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.14	01CF039 ROOM 116	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.08	01CF039 ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF039 ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.034	Copper	0.14	01DW030 ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.13	01DW030 ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.11	01DW030 ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.06	01DW030 ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.26	01CF024 ROOM 108	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.09	01CF024 ROOM 108	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.05	01CF024 ROOM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01CF024 ROOM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.34	01CF027 COPY ROOM	P1	First Primary draw of 125 milliliters
Lead	0.013	Copper	0.39	01CF027 COPY ROOM	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.22	01CF027 COPY ROOM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.08	01CF027 COPY ROOM	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.42	01CF025 ROOM 115	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.15	01CF025 ROOM 115	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.26	01CF025 ROOM 115	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF025 ROOM 115	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.11	01DW023 ROOM 108	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.15	01DW023 ROOM 108	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01DW023 ROOM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	01DW023 ROOM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.28	01DW024 ROOM 118	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.28	01DW024 ROOM 115	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.08	01DW024 ROOM 115	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01DW024 ROOM 115	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.038	Copper	0.39	01CF031 ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.17	01CF031 ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.11	01CF031 ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	01CF031 ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.032	Copper	0.87	01DW020 ROOM 107	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW020 ROOM 107	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW020 ROOM 107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01DW020 ROOM 107	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.19	01CF022 ROOM 109	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.09	01CF022- ROOM 109	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01CF022- ROOM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF022- ROOM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.20	01CF012 ROOM 106	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.12	01CF012 ROOM 106	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.00	01CF012 ROOM 106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.01	01CF012 ROOM 106	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.004	Copper	0.21	02KC002- DHHS OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.32	02KC002- DHHS OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.56	02KC002- DHHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.18	02KC002- DHHS OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.30	02KC001- DHHS OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.74	02KC001- DHHS OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.18	02KC001- DHHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.22	02KC001- DHHS OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.12	01DW014- ROOM 105	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW014- ROOM 105	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	01DW014- ROOM 105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01DW014- ROOM 105	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.12	01DW021- ROOM 109	P1	First Primary draw of 125 milliliters
Lead	0.013	Copper	0.21	01DW021- ROOM 109	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW021- ROOM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01DW021- ROOM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.17	01CF010- ROOM 100	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.09	01CF010- ROOM 100	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01CF010- ROOM 100	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	01CF010- ROOM 100	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.29	01DW006- LOUNGE	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.46	01DW006- LOUNGE	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.15	01DW006- LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.006	Copper	0.29	01DW006- LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.025	Copper	0.15	01DW009- ROOM 100	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.10	01DW009- ROOM 100	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW009- ROOM 100	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.06	01DW009- ROOM 100	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.31	01RC006- LOUNGE	P1	First Primary draw of 125 milliliters
Lead	0.019	Copper	0.15	01RC006- LOUNGE	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.08	01RC006- LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.07	01RC006- LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.029	Copper	0.11	01DW017- ROOM 106	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.11	01DW017- ROOM 106	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	01DW017- ROOM 106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.00	01DW017- ROOM 106	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.12	01CF018- ROOM 106	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.06	01CF018- ROOM 106	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.00	01CF018- ROOM 106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.00	01CF018- ROOM 106	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.11	01DW026- ROOM 110	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	01DW026- ROOM 110	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW026- ROOM 110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	01DW026- ROOM 110	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.23	01DW029- ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.020	Copper	0.11	01DW029- ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.009	Copper	0.06	01DW029- ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.04	01DW029- ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.001	Copper	0.16	01DW036- ROOM 114	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.15	01DW036- ROOM 114	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW036- ROOM 114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW036- ROOM 114	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.32	01CF029- ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.16	01CF029- ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.07	01CF029- ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01CF029- ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.49	01CF037- ROOM 114	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.13	01CF037- ROOM 114	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01CF037- ROOM 114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01CF037- ROOM 114	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01DW033- ROOM 113	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01DW033- ROOM 113	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.05	01DW033- ROOM 113	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01DW033- ROOM 113	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.20	01CF032- ROOM 113	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.13	01CF032- ROOM 113	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.06	01CF032- ROOM 113	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01CF032- ROOM 113	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.19	01CF025- ROOM 116	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.16	01CF025- ROOM 116	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.07	01CF025- ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF025- ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.26	02KC001- DHHS OFFICE	CA1	First Sequential Sample
Lead	0.001	Copper	0.24	02KC001- DHHS OFFICE	CA2	Second Sequential Sample
Lead	0.002	Copper	0.22	02KC001- DHHS OFFICE	CA3	Third Sequential Sample
Lead	0.002	Copper	0.19	02KC001- DHHS OFFICE	CA4	Fourth Sequential Sample
Lead	0.002	Copper	0.18	02KC001- DHHS OFFICE	CA5	Fifth Sequential Sample
Lead	0.003	Copper	0.17	02KC001- DHHS OFFICE	CA6	Sixth Sequential Sample
Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA7	Seventh Sequential Sample
Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA8	Eighth Sequential Sample
Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA9	Ninth Sequential Sample
Lead	0.002	Copper	0.16	02KC001- DHHS OFFICE	CA10	Tenth Sequential Sample
Lead	0.004	Copper	0.10	01KC040- KITCHEN	CB1	First Sequential Sample
Lead	0.001	Copper	0.00	01KC040- KITCHEN	CB2	Second Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB3	Third Sequential Sample
Lead	0.001	Copper	0.00	01KC040- KITCHEN	CB4	Fourth Sequential Sample
Lead	0.001	Copper	0.00	01KC040- KITCHEN	CB5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB9	Ninth Sequential Sample
Lead	0.001	Copper	0.00	01KC040- KITCHEN	CB10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.003	Copper	0.13	01KC006- LOUNGE	CC1	First Sequential Sample
Lead	0.004	Copper	0.11	01KC006- LOUNGE	CC2	Second Sequential Sample
Lead	0.003	Copper	0.07	01KC006- LOUNGE	CC3	Third Sequential Sample
Lead	0.003	Copper	0.07	01KC006- LOUNGE	CC4	Fourth Sequential Sample
Lead	0.003	Copper	0.06	01KC006- LOUNGE	CC5	Fifth Sequential Sample
Lead	0.002	Copper	0.06	01KC006- LOUNGE	CC6	Sixth Sequential Sample
Lead	0.002	Copper	0.06	01KC006- LOUNGE	CC7	Seventh Sequential Sample
Lead	0.002	Copper	0.05	01KC006- LOUNGE	CC8	Eighth Sequential Sample
Lead	0.002	Copper	0.05	01KC006- LOUNGE	CC9	Ninth Sequential Sample
Lead	0.001	Copper	0.00	01KC006- LOUNGE	CC10	Tenth Sequential Sample
Lead	0.012	Copper	0.24	01SR041	CD1	First Sequential Sample
Lead	0.004	Copper	0.16	01SR041	CD2	Second Sequential Sample
Lead	0.002	Copper	0.13	01SR041	CD3	Third Sequential Sample
Lead	0.003	Copper	0.12	01SR041	CD4	Fourth Sequential Sample
Lead	0.003	Copper	0.12	01SR041	CD5	Fifth Sequential Sample
Lead	0.003	Copper	0.12	01SR041	CD6	Sixth Sequential Sample
Lead	0.005	Copper	0.12	01SR041	CD7	Seventh Sequential Sample
Lead	0.002	Copper	0.12	01SR041	CD8	Eighth Sequential Sample
Lead	0.002	Copper	0.11	01SR041	CD9	Ninth Sequential Sample
Lead	0.003	Copper	0.10	01SR041	CD10	Tenth Sequential Sample
Lead	0.002	Copper	0.08	01CF025- ROOM 110	CE1	First Sequential Sample
Lead	0.000	Copper	0.05	01CF025- ROOM 110	CE2	Second Sequential Sample
Lead	0.000	Copper	0.05	01CF025- ROOM 110	CE3	Third Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE10	Tenth Sequential Sample
Lead	0.003	Copper	0.08	01CF039 ROOM 116	CF1	First Sequential Sample
Lead	0.001	Copper	0.07	01CF039 ROOM 116	CF2	Second Sequential Sample
Lead	0.001	Copper	0.06	01CF039 ROOM 116	CF3	Third Sequential Sample
Lead	0.000	Copper	0.03	01CF039 ROOM 116	CF4	Fourth Sequential Sample
Lead	0.000	Copper	0.06	01CF039 ROOM 116	CF5	Fifth Sequential Sample
Lead	0.000	Copper	0.06	01CF039 ROOM 116	CF6	Sixth Sequential Sample
Lead	0.000	Copper	0.03	01CF039 ROOM 116	CF7	Seventh Sequential Sample
Lead	0.000	Copper	0.06	01CF039 ROOM 116	CF8	Eighth Sequential Sample
Lead	0.000	Copper	0.08	01CF039 ROOM 116	CF9	Ninth Sequential Sample
Lead	0.000	Copper	0.05	01CF039 ROOM 116	CF10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

From: Krisztian, George (DEQ)
Sent: Monday, December 07, 2015 7:35 AM
To: btawwab@flintschools.org; tsitko@flintschools.org
Subject: Schools Data
Attachments: Brownell Spreadsheet.pdf; Doyle Ryder Spreadsheet.pdf; Neithercut Spreadsheet.pdf; Pierce Spreadsheet.pdf; Central Kitchen Spreadsheet.pdf; Durant-Tuuri-Mott Elementary Spreadsheet.pdf; Eisenhower Spreadsheet.pdf

Gentlemen,

Please find attached the spreadsheets for the schools that we discussed last week. I will send spreadsheets for the remaining facilities as they become available. I will also send you copies of the final reports as they are completed.

George

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

PPI

Brownell STEM Academy
6302 Oxley Drive
Flint, Michigan 48504

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.027	Copper	0.14	DW013-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.13	DW013-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.09	DW013-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW013-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.038	Copper	0.10	DW021-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.027	Copper	0.00	DW021-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	DW021-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW021-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.00	CF023-RM #7	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.15	CF023-RM #7	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.06	CF023-RM #7	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF023-RM #7	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.016	Copper	0.08	DW014-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.00	DW014-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	DW014-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	DW014-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.016	Copper	0.18	KC019-RM #4	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.28	KC019-RM #4	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	KC019-RM #4	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC019-RM #4	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.033	Copper	0.16	DW020-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.12	DW020-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.020	Copper	0.00	DW020-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW020-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.14	DW002-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.08	DW002-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.00	DW002-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	DW002-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.20	CF022-RM #6	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.22	CF022-RM #6	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	CF022-RM #6	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	CF022-RM #6	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.07	CF006-RM 26	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.15	CF006-RM 26	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.16	CF006-RM 26	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF006-RM 26	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.056	Copper	0.21	CF004-RM 17	P1	First Primary draw of 125 milliliters
Lead	0.029	Copper	0.14	CF004-RM 17	P2	Second Primary draw of 125 milliliters
Lead	0.007	Copper	0.16	CF004-RM 17	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.17	CF004-RM 17	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Brownell STEM Academy
6302 Oxley Drive
Flint, Michigan 48504

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.011	Copper	0.14	KC016-RM-#1	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.14	KC016-RM-#1	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	KC016-RM-#1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC016-RM-#1	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.013	Copper	0.18	KC017-RM-#2	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.18	KC017-RM-#2	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	KC017-RM-#2	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC017-RM-#2	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.09	CF018-RM-#4	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.11	CF018-RM-#4	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	CF018-RM-#4	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF018-RM-#4	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.13	KC015-RM-#1	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.27	KC015-RM-#1	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	KC015-RM-#1	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	KC015-RM-#1	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.031	Copper	0.08	CF005-RM 17	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.07	CF005-RM 17	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	CF005-RM 17	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	CF005-RM 17	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.064	Copper	0.11	DW001-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.09	DW001-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.09	DW001-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	DW001-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.023	Copper	0.33	DW009-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.09	DW009-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.00	DW009-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	DW009-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.029	Copper	0.19	CF010-RM 27	P1	First Primary draw of 125 milliliters
Lead	0.034	Copper	0.16	CF010-RM 27	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	CF010-RM 27	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF010-RM 27	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.164	Copper	2.04	CF007-RM 26	P1	First Primary draw of 125 milliliters
Lead	0.166	Copper	1.78	CF007-RM 26	P2	Second Primary draw of 125 milliliters
Lead	0.015	Copper	0.78	CF007-RM 26	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	CF007-RM 26	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.14	CF003-RM 15	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.11	CF003-RM 15	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.09	CF003-RM 15	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF003-RM 15	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppt for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Brownell STEM Academy
6302 Oxley Drive
Flint, Michigan 48504

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.000	Copper	0.06	CF012	P1	First Primary draw of 125 milliliters
Lead	0.014	Copper	0.13	CF012	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	CF012	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	CF012	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.56	DW001-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.016	Copper	0.57	DW001-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.39	DW001-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	DW001-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.42	DW005-DRINKING	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.10	DW005-DRINKING	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.00	DW005-DRINKING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	DW005-DRINKING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.17	CF004 - RM #17	C01	First Sequential Sample
Lead	0.003	Copper	0.17	CF004 - RM #17	C02	Second Sequential Sample
Lead	0.003	Copper	0.18	CF004 - RM #17	C03	Third Sequential Sample
Lead	0.001	Copper	0.19	CF004 - RM #17	C04	Fourth Sequential Sample
Lead	0.002	Copper	0.20	CF004 - RM #17	C05	Fifth Sequential Sample
Lead	0.002	Copper	0.19	CF004 - RM #17	C06	Sixth Sequential Sample
Lead	0.002	Copper	0.19	CF004 - RM #17	C07	Seventh Sequential Sample
Lead	0.002	Copper	0.19	CF004 - RM #17	C08	Eighth Sequential Sample
Lead	0.002	Copper	0.16	CF004 - RM #17	C09	Ninth Sequential Sample
Lead	0.002	Copper	0.17	CF004 - RM #17	C010	Tenth Sequential Sample
Lead	0.002	Copper	0.00	CF012 -	CB1	First Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB2	Second Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB3	Third Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	CF012	CB10	Tenth Sequential Sample
Lead	0.002	Copper	0.00	CF004	C01	First Sequential Sample
Lead	0.000	Copper	0.00	CF004	C02	Second Sequential Sample
Lead	0.001	Copper	0.00	CF004	C03	Third Sequential Sample
Lead	0.001	Copper	0.00	CF004	C04	Fourth Sequential Sample
Lead	0.000	Copper	0.00	CF004	C05	Fifth Sequential Sample
Lead	0.000	Copper	0.00	CF004	C06	Sixth Sequential Sample
Lead	0.000	Copper	0.00	CF004	C07	Seventh Sequential Sample
Lead	0.000	Copper	0.00	CF004	C08	Eighth Sequential Sample
Lead	0.001	Copper	0.00	CF004	C09	Ninth Sequential Sample
Lead	0.001	Copper	0.00	CF004	C010	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.015	Copper	0.17	01CF016 ROOM 104	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.10	01CF016 ROOM 104	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01CF016 ROOM 104	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.00	01CF016 ROOM 104	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.18	01CF019 ROOM 107	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.16	01CF019 ROOM 107	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	01CF019 ROOM 107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01CF019 ROOM 107	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.13	01DW008 ROOM 101	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.10	01DW008 ROOM 101	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.09	01DW008 ROOM 101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	01DW008 ROOM 101	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.12	01DW015 ROOM 104	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.09	01DW015 ROOM 104	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01DW015 ROOM 104	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01DW015 ROOM 104	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.13	01DW012 LIBRARY	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.05	01DW012 LIBRARY	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW012 LIBRARY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	01DW012 LIBRARY	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.44	01CF011 LIBRARY	P1	First Primary draw of 125 milliliters
Lead	0.047	Copper	0.56	01CF011 LIBRARY	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.07	01CF011 LIBRARY	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.006	Copper	0.85	01CF011 LIBRARY	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.018	Copper	0.21	01DW004 NEXT TO GYM	P1	First Primary draw of 125 milliliters
Lead	0.019	Copper	0.19	01DW004 NEXT TO GYM	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.08	01DW004 NEXT TO GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	01DW004 NEXT TO GYM	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.024	Copper	0.18	01CF007 ROOM 101	P1	First Primary draw of 125 milliliters
Lead	0.018	Copper	0.14	01CF007 ROOM 101	P2	Second Primary draw of 125 milliliters
Lead	0.010	Copper	0.15	01CF007 ROOM 101	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.04	01CF007 ROOM 101	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.15	01DW002 HALL TO RIGHT OF OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.08	01DW002 HALL TO RIGHT OF OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.07	01DW002 HALL TO RIGHT OF OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01DW002 HALL TO RIGHT OF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.13	01DW003 NEXT TO GYM	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.22	01DW003 NEXT TO GYM	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.13	01DW003 NEXT TO GYM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.004	Copper	0.04	01DW003 NEXT TO GYM	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.25	01DW001 HALL TO RIGHT OF OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.39	01DW001 HALL TO RIGHT OF OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	01DW001 HALL TO RIGHT OF OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.013	Copper	0.18	01KC040 KITCHEN	P1	First Primary draw of 125 milliliters
Lead	0.021	Copper	0.21	01KC040 KITCHEN	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.11	01KC040 KITCHEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.01	01KC040 KITCHEN	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.025	Copper	0.16	01DW038 ROOM 116	P1	First Primary draw of 125 milliliters
Lead	0.017	Copper	0.11	01DW038 ROOM 116	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	01DW038 ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01DW038 ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.042	Copper	0.58	01CF039 ROOM 116	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.14	01CF039 ROOM 116	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.08	01CF039 ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF039 ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.034	Copper	0.14	01DW030 ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.13	01DW030 ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.11	01DW030 ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.06	01DW030 ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.20	01CF024 ROOM 108	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.09	01CF024 ROOM 108	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.05	01CF024 ROOM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01CF024 ROOM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.34	01CF027 COPY ROOM	P1	First Primary draw of 125 milliliters
Lead	0.013	Copper	0.39	01CF027 COPY ROOM	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.22	01CF027 COPY ROOM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.08	01CF027 COPY ROOM	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.42	01CF025 ROOM 115	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.15	01CF025 ROOM 115	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.26	01CF031 ROOM 115	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF031 ROOM 115	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.009	Copper	0.11	01DW023 ROOM 108	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.15	01DW023 ROOM 108	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01DW023 ROOM 108	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	01DW023 ROOM 108	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.28	01DW024 ROOM 115	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.28	01DW024 ROOM 115	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.08	01DW024 ROOM 115	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01DW024 ROOM 115	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.038	Copper	0.39	01CF031 ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.17	01CF031 ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.11	01CF031 ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.07	01CF031 ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.032	Copper	0.87	01DW020 ROOM 107	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW020 ROOM 107	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW020 ROOM 107	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01DW020 ROOM 107	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.012	Copper	0.19	01CF022 ROOM 109	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.09	01CF022- ROOM 109	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01CF022- ROOM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF022- ROOM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.20	01CF012 ROOM 105	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.12	01CF012 ROOM 105	P2	Second Primary draw of 125 milliliters
Lead	0.008	Copper	0.00	01CF012 ROOM 105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.01	01CF012 ROOM 105	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.004	Copper	0.21	02KC002- DHHS OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.32	02KC002- DHHS OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.56	02KC002- DHHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.18	02KC002- DHHS OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.30	02KC001- DHHS OFFICE	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.74	02KC001- DHHS OFFICE	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.18	02KC001- DHHS OFFICE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.22	02KC001- DHHS OFFICE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.12	01DW014- ROOM 105	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW014- ROOM 105	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	01DW014- ROOM 105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01DW014- ROOM 105	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.12	01DW021- ROOM 109	P1	First Primary draw of 125 milliliters
Lead	0.013	Copper	0.21	01DW021- ROOM 109	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW021- ROOM 109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.01	01DW021- ROOM 109	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.17	01CF010- ROOM 100	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.09	01CF010- ROOM 100	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01CF010- ROOM 100	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	01CF010- ROOM 100	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.29	01DW006- LOUNGE	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.46	01DW006- LOUNGE	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.15	01DW006- LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.006	Copper	0.29	01DW006- LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.025	Copper	0.15	01DW009- ROOM 100	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.10	01DW009- ROOM 100	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW009- ROOM 100	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.06	01DW009- ROOM 100	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.31	01RC006- LOUNGE	P1	First Primary draw of 125 milliliters
Lead	0.019	Copper	0.15	01RC006- LOUNGE	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.08	01RC006- LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.07	01RC006- LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.029	Copper	0.11	01DW017- ROOM 106	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.11	01DW017- ROOM 106	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	01DW017- ROOM 106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.00	01DW017- ROOM 106	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.12	01CF018- ROOM 106	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.06	01CF018- ROOM 106	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.00	01CF018- ROOM 106	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.00	01CF018- ROOM 106	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.11	01DW026- ROOM 110	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	01DW026- ROOM 110	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW026- ROOM 110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.00	01DW026- ROOM 110	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.020	Copper	0.23	01DW029- ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.020	Copper	0.11	01DW029- ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.009	Copper	0.06	01DW029- ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.04	01DW029- ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Neithercut Elementary
2010 Crestbrook Lane
Flint, Michigan 48507

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.001	Copper	0.16	01DW036- ROOM 114	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.15	01DW036- ROOM 114	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW036- ROOM 114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW036- ROOM 114	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.32	01CF029- ROOM 112	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.16	01CF029- ROOM 112	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.07	01CF029- ROOM 112	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01CF029- ROOM 112	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.49	01CF037- ROOM 114	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.13	01CF037- ROOM 114	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01CF037- ROOM 114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01CF037- ROOM 114	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01DW033- ROOM 113	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01DW033- ROOM 113	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.05	01DW033- ROOM 113	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.05	01DW033- ROOM 113	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.20	01CF032- ROOM 113	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.13	01CF032- ROOM 113	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.06	01CF032- ROOM 113	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01CF032- ROOM 113	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.19	01CF025- ROOM 116	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.15	01CF025- ROOM 116	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.07	01CF025- ROOM 116	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.05	01CF025- ROOM 116	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.001	Copper	0.26	02KC001- DHHS OFFICE	CA1	First Sequential Sample
Lead	0.001	Copper	0.24	02KC001- DHHS OFFICE	CA2	Second Sequential Sample
Lead	0.002	Copper	0.22	02KC001- DHHS OFFICE	CA3	Third Sequential Sample
Lead	0.002	Copper	0.19	02KC001- DHHS OFFICE	CA4	Fourth Sequential Sample
Lead	0.002	Copper	0.18	02KC001- DHHS OFFICE	CA5	Fifth Sequential Sample
Lead	0.003	Copper	0.17	02KC001- DHHS OFFICE	CA6	Sixth Sequential Sample
Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA7	Seventh Sequential Sample
Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA8	Eighth Sequential Sample
Lead	0.003	Copper	0.16	02KC001- DHHS OFFICE	CA9	Ninth Sequential Sample
Lead	0.002	Copper	0.16	02KC001- DHHS OFFICE	CA10	Tenth Sequential Sample
Lead	0.004	Copper	0.10	01KC040- KITCHEN	CB1	First Sequential Sample
Lead	0.001	Copper	0.00	01KC040- KITCHEN	CB2	Second Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB3	Third Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01KC040- KITCHEN	CB10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

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ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.003	Copper	0.13	01KC006- LOUNGE	CC1	First Sequential Sample
Lead	0.004	Copper	0.11	01KC006- LOUNGE	CC2	Second Sequential Sample
Lead	0.003	Copper	0.07	01KC006- LOUNGE	CC3	Third Sequential Sample
Lead	0.003	Copper	0.07	01KC006- LOUNGE	CC4	Fourth Sequential Sample
Lead	0.003	Copper	0.06	01KC006- LOUNGE	CC5	Fifth Sequential Sample
Lead	0.002	Copper	0.06	01KC006- LOUNGE	CC6	Sixth Sequential Sample
Lead	0.002	Copper	0.06	01KC006- LOUNGE	CC7	Seventh Sequential Sample
Lead	0.002	Copper	0.05	01KC006- LOUNGE	CC8	Eighth Sequential Sample
Lead	0.002	Copper	0.05	01KC006- LOUNGE	CC9	Ninth Sequential Sample
Lead	0.001	Copper	0.00	01KC006- LOUNGE	CC10	Tenth Sequential Sample
Lead	0.012	Copper	0.24	01SR041	CC1	First Sequential Sample
Lead	0.004	Copper	0.16	01SR041	CC2	Second Sequential Sample
Lead	0.002	Copper	0.13	01SR041	CC3	Third Sequential Sample
Lead	0.003	Copper	0.12	01SR041	CC4	Fourth Sequential Sample
Lead	0.003	Copper	0.12	01SR041	CC5	Fifth Sequential Sample
Lead	0.003	Copper	0.12	01SR041	CC6	Sixth Sequential Sample
Lead	0.005	Copper	0.12	01SR041	CC7	Seventh Sequential Sample
Lead	0.002	Copper	0.12	01SR041	CC8	Eighth Sequential Sample
Lead	0.002	Copper	0.11	01SR041	CC9	Ninth Sequential Sample
Lead	0.003	Copper	0.10	01SR041	CC10	Tenth Sequential Sample
Lead	0.002	Copper	0.08	01CF025- ROOM 110	CE1	First Sequential Sample
Lead	0.000	Copper	0.05	01CF025- ROOM 110	CE2	Second Sequential Sample
Lead	0.000	Copper	0.05	01CF025- ROOM 110	CE3	Third Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01CF025- ROOM 110	CE10	Tenth Sequential Sample
Lead	0.003	Copper	0.08	01CF039- ROOM 116	CF1	First Sequential Sample
Lead	0.001	Copper	0.07	01CF039- ROOM 116	CF2	Second Sequential Sample
Lead	0.001	Copper	0.06	01CF039- ROOM 116	CF3	Third Sequential Sample
Lead	0.000	Copper	0.03	01CF039- ROOM 116	CF4	Fourth Sequential Sample
Lead	0.000	Copper	0.06	01CF039- ROOM 116	CF5	Fifth Sequential Sample
Lead	0.000	Copper	0.06	01CF039- ROOM 116	CF6	Sixth Sequential Sample
Lead	0.000	Copper	0.03	01CF039- ROOM 116	CF7	Seventh Sequential Sample
Lead	0.000	Copper	0.06	01CF039- ROOM 116	CF8	Eighth Sequential Sample
Lead	0.000	Copper	0.08	01CF039- ROOM 116	CF9	Ninth Sequential Sample
Lead	0.000	Copper	0.05	01CF039- ROOM 116	CF10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Flint Community Schools Central Kitchen
305 Walnut Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.121	Copper	0.53	KC003	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.52	KC003	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.31	KC003	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.20	KC003	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.26	KC001	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.18	KC001	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.09	KC001	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.07	KC001	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.014	Copper	0.31	KC006	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.39	KC006	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.24	KC006	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.09	KC006	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.11	KC004	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.16	KC004	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.22	KC004	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.13	KC004	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.29	KC005	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.22	KC005	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.12	KC005	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	KC005	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.20	KC009	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.35	KC009	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.13	KC009	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC009	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.067	Copper	0.89	DW002	P1	First Primary draw of 125 milliliters
Lead	0.020	Copper	0.46	DW002	P2	Second Primary draw of 125 milliliters
Lead	0.024	Copper	0.71	DW002	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.008	Copper	0.18	DW002	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.017	Copper	0.00	KC007	P1	First Primary draw of 125 milliliters
Lead	0.025	Copper	0.06	KC007	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	KC007	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC007	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.09	KC008	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.19	KC008	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	KC008	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	KC008	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Flint Community Schools Central Kitchen
305 Walnut Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.000	Copper	0.08	KC005	CA1	First Sequential Sample
Lead	0.000	Copper	0.09	KC005	CA2	Second Sequential Sample
Lead	0.000	Copper	0.09	KC005	CA3	Third Sequential Sample
Lead	0.000	Copper	0.11	KC005	CA4	Forth Sequential Sample
Lead	0.000	Copper	0.11	KC005	CA5	Fifth Sequential Sample
Lead	0.000	Copper	0.09	KC005	CA6	Sixth Sequential Sample
Lead	0.000	Copper	0.08	KC005	CA7	Seventh Sequential Sample
Lead	0.000	Copper	0.06	KC005	CA8	Eigth Sequential Sample
Lead	0.000	Copper	0.06	KC005	CA9	Ninth Sequential Sample
Lead	0.000	Copper	0.06	KC005	CA10	Tenth Sequential Sample
Lead	0.000	Copper	0.08	KC009	CB1	First Sequential Sample
Lead	0.002	Copper	0.09	KC009	CB2	Second Sequential Sample
Lead	0.001	Copper	0.05	KC009	CB3	Third Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB4	Forth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB6	Sorth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB8	Eigth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	KC009	CB10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
1 ppb = 0.001 mg/L

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper.
1 ppb = 0.001 mg/L.

**Durant-Tuuri-Mott Elementary
151B University Avenue
Flint, Michigan 48504**

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.004	Copper	0.42	01CF030 - RM59	CE1	First Sequential Sample
Lead	0.003	Copper	0.30	01CF030 - RM59	CE2	Second Sequential Sample
Lead	0.002	Copper	0.19	01CF030 - RM59	CE3	Third Sequential Sample
Lead	0.003	Copper	0.16	01CF030 - RM59	CE4	Fourth Sequential Sample
Lead	0.003	Copper	0.12	01CF030 - RM59	CE5	Fifth Sequential Sample
Lead	0.002	Copper	0.08	01CF030 - RM59	CE6	Sixth Sequential Sample
Lead	0.001	Copper	0.06	01CF030 - RM59	CE7	Seventh Sequential Sample
Lead	0.000	Copper	0.06	01CF030 - RM59	CE8	Eighth Sequential Sample
Lead	0.000	Copper	0.05	01CF030 - RM59	CE9	Ninth Sequential Sample
Lead	0.000	Copper	0.05	01CF030 - RM59	CE10	Tenth Sequential Sample

Note: Results of 'Not Detected' have been converted to a numerical value of zero to allow for ease of sorting.
Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper.
1 ppb = 0.001 mg/L.

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.036	Copper	0.15	01CF014 RM104	P1	First Primary draw of 125 milliliters
Lead	0.036	Copper	0.12	01CF014 RM104	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01CF014 RM104	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	01CF014 RM 104	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.009	Copper	0.07	02CF021 RM201	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.07	02CF021 RM201	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	02CF021 RM201	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	02CF021 RM201	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.08	02DW023 RM202	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.09	02DW023 RM202	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	02DW023 RM202	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	02DW023 RM202	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.013	Copper	0.21	01CF010RM102	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.08	01CF010RM102	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CF010RM102	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	01CF010RM102	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.043	Copper	0.17	01DW013 RM104	P1	First Primary draw of 125 milliliters
Lead	0.166	Copper	0.24	01DW013 RM104	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.00	01DW013 RM104	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	01DW013 - RM104	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.037	Copper	0.09	02DW020 RM201	P1	First Primary draw of 125 milliliters
Lead	0.024	Copper	0.1	02DW020 RM201	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	02DW020 RM201	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	02DW020 RM201	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.1	01CF012 RM103	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.08	01CF012 RM103	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	01CF012 RM103	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	01CF012 RM103	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.009	Copper	0.18	01DW009 RM102	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.08	01DW009 RM102	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW009 RM102	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	01DW009 RM102	F02	Flush Sample taken 2 minutes after First Flush

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.013	Copper	0.06	01DW011 RM103	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.00	01DW011 RM103	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW011 RM103	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	01DW011 RM103	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.007	Copper	0.19	02CF022 RM202	P1	First Primary draw of 125 milliliters
Lead	0.024	Copper	0.19	02CF022 - RM202	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.3	02CF022 - RM202	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.12	02CF022 - RM202	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.15	01CF008 RM101	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.11	01CF008 - RM101	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01CF008 RM101	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	01CF008 - RM101	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.011	Copper	0.11	01DW007 RM101	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.11	01DW007 RM101	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01DW007 RM101	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	01DW007 RM101	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.032	Copper	0.31	01DW001 GYM	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.13	01DW001 GYM	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.1	01DW001 GYM	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.08	01DW001 GYM	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.017	Copper	0.22	01CF004 ROOM109	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.15	01CF004 ROOM109	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01CF004 ROOM109	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.08	01CF004 ROOM109	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.013	Copper	0.15	01DW003 ROOM109	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.08	01DW003 ROOM109	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW003 ROOM109	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.05	01DW003 ROOM109	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.12	01CF006 CLINIC	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.16	01CF006 CLINIC	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.07	01CF006 CLINIC	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.05	01CF006 CLINIC	F02	Flush Sample taken 2 minutes after First Flush

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.017	Copper	0.48	04KC043 UNIT2	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.72	04KC043 UNIT2	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.65	04KC043 UNIT 2	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	1.04	04KC043-UNIT 2	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.000	Copper	1.08	03DW039 - UNIT 1	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	1.03	03DW039 - UNIT 1	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	1.04	03DW039 - UNIT 1	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.65	03DW039 - UNIT 1	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.004	Copper	0.2	01KC005 -	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.13	01KC005	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01KC005	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	01KC005	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.017	Copper	0.28	01WC002 HALL	P1	First Primary draw of 125 milliliters
Lead	0.017	Copper	0.33	01WC002 HALL	P2	Second Primary draw of 125 milliliters
Lead	0.012	Copper	0.26	01WC002 HALL	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.12	01 WC002 HALL	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.33	03KC041- UNIT 1	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	1.84	03KC041 - UNIT1	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	1.07	03KC041-UNIT1	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	1.12	03KC041 - UNIT1	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.005	Copper	2.77	03DW038 - UNIT1	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	1.37	03DW038 - UNIT 1	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	1.2	03DW038 - UNIT 1	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	1.03	03DW038 UNIT1	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.27	03KC040 UNIT 1	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.41	03KC040 UNIT1	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.99	03KC040 UNIT 1	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	1.13	03KC040 UNIT1	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.011	Copper	0.49	04KC044 - UNIT 2	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.97	04KC044-UNIT 2	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	1.22	04KC044 - UNIT 2	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.6	04KC044 UNIT2	F02	Flush Sample taken 2 minutes after First Flush

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.007	Copper	0.13	02CF036 RM209	P7	First Primary draw of 125 milliliters
Lead	0.021	Copper	0.19	02CF036 RM209	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.07	02CF036 RM209	F07	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	02CF036 RM209	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.11	02DW035 RM208	P1	First Primary draw of 125 milliliters
Lead	0.019	Copper	0.08	02DW035 RM208	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.07	02DW035 RM208	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.05	02DW035 RM208	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.019	Copper	0.11	02CF034 RM208	P1	First Primary draw of 125 milliliters
Lead	0.012	Copper	0.07	02CF034 RM208	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.05	02CF034 RM208	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	02CF034 RM 208	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.020	Copper	0.09	02DW033 RM207	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	02DW033 RM207	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.06	02DW033 RM207	F01	Flush Sample taken 30 Seconds after Second
Lead	0.003	Copper	0.05	02DW033 RM207	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.017	Copper	0.16	01KC019 RM108	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.11	01KC019 RM108	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	01KC019 RM108	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	01KC019 RM108	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.021	Copper	0.07	02CF032 RM207	P1	First Primary draw of 125 milliliters
Lead	0.023	Copper	0.13	02CF032 RM207	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.08	02CF032 RM207	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.06	02CF032 RM207	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.008	Copper	0.1	02DW037 RM209	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	02DW037 RM209	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	02DW037 RM209	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.00	02DW037 RM209	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.013	Copper	0.08	02DW025 RM203	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	02DW025 RM203	P2	Second Primary draw of 125 milliliters
Lead	0.005	Copper	0.05	02DW025 RM203	F01	Flush Sample taken 30 Seconds after Second
Lead	0.004	Copper	0.06	02DW025 RM203	F02	Flush Sample taken 2 minutes after First Flush

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.018	Copper	0.09	02DW027 RM204	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.08	02DW027 RM204	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	02DW027 RM204	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.00	02DW027 RM204	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.09	02CF026 - 4M 204	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.05	02CF026 RM204	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	02CF026 RM 204	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	02CF026 RM204	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.084	Copper	0.16	02DW031 RM206	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.05	02DW031 RM206	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	02DW031 RM206	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	02DW031 RM206	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.039	Copper	0.1	02DW029 RM205	P1	First Primary draw of 125 milliliters
Lead	0.014	Copper	0.11	02DW029 RM205	P2	Second Primary draw of 125 milliliters
Lead	0.011	Copper	0.13	02DW029 RM205	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.05	02DW029 RM205	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.06	02CF028 RM205	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.05	02CF028 RM205	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	02CF028 RM205	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	02CF028 RM205	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.012	Copper	0.15	01DW017 RM107	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.16	01DW017 RM107	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW017 RM107	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.06	01DW017 RM107	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.010	Copper	0.06	01DW015 RM106	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01DW015 RM106	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01DW015 RM106	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.05	01DW015 RM106	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.009	Copper	0.17	01CF018 RM107	P1	First Primary draw of 125 milliliters
Lead	0.006	Copper	0.3	01CF018 RM107	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.21	01CF018 RM107	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.12	01CF078 RM107	F02	Flush Sample taken 2 minutes after First Flush

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.010	Copper	0.11	02CF030 RM206	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.14	02CF030 RM206	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	02CF030 RM206	F01	Flush Sample taken 30 Seconds after Second
Lead	0.000	Copper	0.00	02CF030 RM206	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.402	Copper	0.16	01CF016 - RM106	P1	First Primary draw of 125 milliliters
Lead	0.061	Copper	0.08	01CF016 - RM106	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.06	01CF016 - RM106	F01	Flush Sample taken 30 Seconds after Second
Lead	0.001	Copper	0.05	01CF016 - RM106	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.014	Copper	0.16	02CF024 RM203	P1	First Primary draw of 125 milliliters
Lead	0.015	Copper	0.25	02CF024 RM203	P2	Second Primary draw of 125 milliliters
Lead	0.006	Copper	0.11	02CF024 RM203	F01	Flush Sample taken 30 Seconds after Second
Lead	0.002	Copper	0.05	02CF024 RM203	F02	Flush Sample taken 2 minutes after First Flush
Lead	0.001	Copper	0.55	03KC040 - UNIT 1	A1	First Sequential Sample
Lead	0.000	Copper	0.3	03KC040 - UNIT 1	A2	Second Sequential Sample
Lead	0.000	Copper	0.28	03KC040 - UNIT 1	A3	Third Sequential Sample
Lead	0.000	Copper	0.27	03KC040 - UNIT 1	A4	Forth Sequential Sample
Lead	0.000	Copper	0.26	03KC040 - UNIT 1	A5	Fifth Sequential Sample
Lead	0.000	Copper	0.25	03KC040 - UNIT 1	A6	Sixth Sequential Sample
Lead	0.000	Copper	0.25	03KC040 - UNIT 1	A7	Seventh Sequential Sample
Lead	0.000	Copper	0.25	03KC040 UNIT 1	A8	Eigth Sequential Sample
Lead	0.000	Copper	0.23	03KC040 UNIT 1	A9	Ninth Sequential Sample
Lead	0.000	Copper	0.24	03KC040 UNIT 1	A10	Tenth Sequential Sample
Lead	0.002	Copper	0.53	04KC044 UNIT 2	B1	First Sequential Sample
Lead	0.000	Copper	0.45	04KC044 UNIT 2	B2	Second Sequential Sample
Lead	0.000	Copper	0.42	04KC044 UNIT 2	B3	Third Sequential Sample
Lead	0.000	Copper	0.39	04KC044 UNIT 2	B4	Forth Sequential Sample
Lead	0.000	Copper	0.37	04KC044 UNIT 2	B5	Fifth Sequential Sample
Lead	0.000	Copper	0.36	04KC044 UNIT 2	B6	Sixth Sequential Sample
Lead	0.001	Copper	0.36	04KC044 UNIT 2	B7	Seventh Sequential Sample
Lead	0.001	Copper	0.36	04KC044 UNIT 2	B8	Eigth Sequential Sample
Lead	0.000	Copper	0.33	04KC044 UNIT 2	B9	Ninth Sequential Sample
Lead	0.000	Copper	0.31	04KC044 UNIT 2	B10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Eisenhower Elementary School
1235 Pershing Street
Flint, Michigan 48503

ANALYTE	RESULT (mg/L)	ANALYTE	RESULT (mg/L)	Sample Description	Site Code	Site Code Description
Lead	0.003	Copper	0.08	01CF004 RM 109	C1	First Sequential Sample
Lead	0.000	Copper	0.15	01CF004 RM 109	C2	Second Sequential Sample
Lead	0.000	Copper	0.00	01CF004 RM 109	C3	Third Sequential Sample
Lead	0.000	Copper	0.00	01CF004 RM 109	C4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01CF004 RM 109	C5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01CF004 RM 109	C6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01CF004 RM 109	C7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01CF004 RM 109	C8	Eighth Sequential Sample
Lead	0.000	Copper	0.10	01CF004 RM 109	C9	Ninth Sequential Sample
Lead	0.000	Copper	0.10	01CF004 RM 109	C10	Tenth Sequential Sample
Lead	0.002	Copper	0.09	01CF010 RM 102	D1	First Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D2	Second Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D3	Third Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D5	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01CF010 RM 102	D10	Tenth Sequential Sample
Lead	0.003	Copper	0.07	02CF036 RM 209	E1	First Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E2	Second Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E3	Third Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E4	Fourth Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E5	Fifth Sequential Sample
Lead	0.000	Copper	0.10	02CF036 RM 209	E6	Sixth Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E7	Seventh Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E8	Eighth Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E9	Ninth Sequential Sample
Lead	0.000	Copper	0.00	02CF036 RM 209	E10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

From: Krisztian, George (DEQ)
Sent: Monday, December 07, 2015 12:12 PM
To: Shaler, Karen (DEQ);Thelen, Mary Beth (DEQ)
Subject: Gvernor's Report December 7, 2015
Attachments: 2015-12-07 Flint Drinking Water Action Plan Update.docx; What is a Part Per Billion.docx

Importance: High

Karen,

Attached is this week's report to the Governor. Also included is a draft document defining a part per billion in terms that students can understand.

George

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

PPI

Flint Drinking Water Action Plan Update

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Key Actions:

On Thursday, December 3, 2015, DHHS released blood lead level testing data. The data covered the time frame between January 1, 2010 and November 13, 2015. The data was broken down by population set and by demographic. The population sets included the State of Michigan as a whole, Genesee County as a whole and the City of Flint, zip codes 48501-48507. The demographic sets broke the populations down into the age groups of: "Children younger than 6 Years Old", "Children ages 6 to 17 Years Old", "Adults 18 years and Older" and "Total Number of People of All Ages Tested".

On Thursday, December 3, 2015, DEQ released the lead in drinking water data and final report for Eisenhower Elementary School. The findings in the report were very similar in nature to those found in the report for Freeman Elementary School. There were a number of fixtures and plumbing immediately adjacent to fixtures that were imparting lead into the water. The report recommends replacement of these fixtures and related plumbing.

On Friday and Saturday, December 5-6, 2015, staff from DEQ and DLARA conducted a plumbing evaluation and subsequent sampling of the fixtures used for drinking water consumption at Potter Elementary School in Flint Michigan. There were a total number of 288 samples taken at 57 different locations throughout the school.

Positions:

There are no new positions to report since last week.

Concerns:

There are no new concerns to report since last week.

Significant Events:

On Monday November 30, 2015 Dan Wyant, DEQ and George Krisztian, DEQ met with water quality expert Dr. Joan Rose of Michigan State University. The purpose of the meeting was to discuss the situation in Flint and to seek guidance on approaches for addressing the issue. Dr. Rose expressed that she felt that there were three different fronts necessary to address the issue. These were to create a "Trust Plan" a "Communications Plan" and a plan to "Get the lead out". Dr. Rose provided several different examples of communities that had undergone similar challenges and what approaches worked and what approaches did not.

On Thursday December 3, 2015 representatives from the Governor's office, DEQ and the Office of Urban Initiatives met with Flint City Mayor Karen Weaver and members of her transition team. The purpose of the meeting was primarily introductory in nature and the conversations were at a high level discussing the needs of the city as well as

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Flint Drinking Water Action Plan Update

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how communications with the residents of the city could be improved. There was also discussion of the lead testing results both for home owners and in the schools. There was particular interest in the sampling protocol that was used to obtain samples in the schools. Overall the conversation was very positive with everyone agreeing that a coordinated effort was necessary to be able to effectively address the lead issue.

On Thursday December 3, 2015 DEQ Director Dan Wyant was interviewed by Lori Jane Gliha for a segment on America Tonight. The questions mainly focused on what had happened in the past and were tough. The responses echoed the message that the DEQ empathizes with the residents of Flint, we are committed to bringing about a resolution, we have a plan, we are moving forward and we recognize that we need to rebuild trust in the community.

On Friday December 4, 2015 representatives of the DEQ, Jim Sygo and George Krisztian met with Flint Mayor Karen Weaver and other city officials for the weekly coordination meeting. Calling into the meeting were representatives of DHHS and DLARA. The blood lead data that DHHS released the previous day was discussed and Dr. Eden Wells provided detailed comment on the data. There was also detailed discussion regarding the Revolving Loan Fund and how it might be utilized to help address the issue of lead service line replacement.

On Friday December 4, 2015, representatives of the DEQ, Jim Sygo and George Krisztian met with Flint School Superintendent Bilal Tawwab. The main topic of discussion was a review of the lead in drinking water data obtained to date. The Superintendent was informed that the schools in general were all following a similar pattern in that the sources of lead appear to be coming primarily from fixtures and the adjacent plumbing. The Superintendent indicated that his office has already made the decision to follow all recommendations in the reports. It was also agreed that monthly meeting would be helpful to ensure that the process kept moving forward. In addition, there was discussion about a document that the DEQ would create that would explain what constituted a Part per Billion or PPB. A draft document without graphics was given to the Superintendent and he indicated that the final version would be a very helpful aide to parents and students.

Changes from Previous Report:

- Draft sampling instructions were developed for lead and copper compliance sampling incorporating comments by EPA. The revised document is being sent back to EPA for final comment.
- DEQ staff met with DHHS staff to assist with development of a phosphate fact sheet. DHHS is the lead on this and will be submitting a revised version to DEQ for final comment. This document is being developed to answer home owner

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Flint Drinking Water Action Plan Update

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questions regarding the safety of the addition of phosphate to the water received by the city of Flint from Detroit.

- Staff from the DEQ provided a "Stand-by Operations" letter to the city of Flint. The purpose of the letter is to define what practices are to be utilized in the event of an emergency.
- Staff from the DEQ followed up with the city on the status of the installation of corrosion control treatment. Pumps were installed on November 30, 2015. It is anticipated that the start-up of the system will begin during the week of December 7, 2015.

Other Items:

- Attached is the draft document, "What is a Part per Billion"

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719
Cell: 517-420-5897
November 30, 2015

What is a Part per Billion?

1 Dollar in a stack of 1 Dollar bills 62 miles high

1 Dime in a stack of Dimes 800 miles high

1 penny in 10 million dollars

1 second in 32 years

1 foot of a trip to the moon

1 inch of a trip from the North Pole to the South Pole

1 apple in over 10,000 truckloads

1 drop of water in 850 aquariums 20 gallons in size

1 single pitch from every game, of every major league baseball team, played over the course of 700 seasons.

From: Krisztian, George (DEQ)
Sent: Tuesday, December 08, 2015 12:19 PM
To: btawwab@flintschools.org
Cc: tsitko@flintschools.org
Subject: Final Report for Brownell STEM Academy
Attachments: BrownellAcademy_Report.pdf

Importance: High

Good afternoon Gentlemen,

Please find attached the final report for the Brownell STEM Academy.

Please note that it is my intention to have this report posed to the website either late today or sometime tomorrow.

Please let me know ASAP if that presents any issues. This report is very similar in nature to Freeman and Eisenhower in that the issues all seem to be fixture related.

Thank you!

George

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

PPI

BROWNELL STEM ACADEMY

Outlet Sampling and Plumbing Assessment Recommendations

6302 Oxley Drive, Flint, Michigan 48504



BACKGROUND INFORMATION

On Friday, October 30, 2015, the Department of Licensing and Regulatory Affairs (DLARA) and the Department of Environmental Quality (DEQ) conducted an assessment of the plumbing system at Brownell STEM Academy to gain a comprehensive understanding of how water moves through the building and what types of plumbing materials are used. The assessment identified the following potential sources of lead leaching into drinking water:

- Lead solder joints on copper piping
- Brass valves and brass fittings
- Brass components in fixtures
- Galvanized piping

The assessment also identified a total of 23 faucets or fountains that provide water for drinking, cooking and/or food preparation. The team developed a sequence for sampling the faucets/fountains based on how water travels through the school building.

On Saturday, October 31, 2015, the DEQ and the DLARA completed sampling of the 23 faucets/fountains in the Brownell STEM Academy school building in the order determined by the plumbing assessment from the previous day, following a stagnation period of over 12 hours. At each of the 23 faucets/fountains identified, staff collected four samples. Two initial, 125-milliliter samples (P1 and P2), were collected immediately after turning on the tap. The water was then flushed for 30 seconds and a third, 125-milliliter sample (F01) was collected. Finally, the water was flushed for another two minutes, and the fourth 125-milliliter sample (F02) was collected. These samples were used to determine the impact of any lead sources in and around each specific faucet/fountain and its connecting plumbing.

The DEQ and the DLARA then completed consecutive sampling at three of the 23 faucets/fountains in the Brownell STEM Academy school building. This consecutive sampling was used to determine the impact of any lead sources located deep in the supply plumbing of the school building. The three sites included one site near the building service line, one site near the plumbing mid-point, and one site at the far end of the plumbing system. At each of these three sites, staff collected ten, 1-liter samples. The ten samples were collected immediately after turning on the tap, and consecutively, without any flushing time in between.

WATER SERVICE INFORMATION

A four-inch diameter cast iron water service line enters the main school building in the mechanical room located in the middle of the building. Piping in the boiler room immediately transitions into galvanized metal piping and then into copper piping with lead solder joints for cold water lines. Two separate copper cold water supply lines exit the mechanical room. One through the north wall in the west corner appears to serve fixtures in the north end of the main wing of the school building. A second line exits the south wall and appears to serve fixtures in the south end of the main wing, and then continues over and serves fixtures in the west wing of the school building. Copper piping with lead solder joints branches off of the copper supply lines. Hot water is distributed in continuous loops that feed from and return to a central water heater in the mechanical room. Hot water piping material, where exposed, was copper piping with lead solder joints. Brass valves were seen throughout the building.

Outlets With Lead Levels Greater Than 15 Parts per Billion

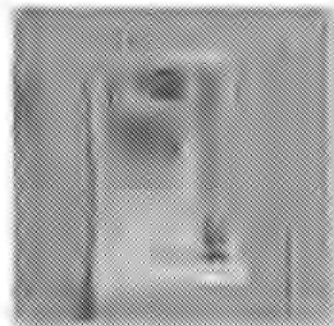
The DEQ recommends school facilities take action if samples from any drinking water outlets show lead levels greater than 15 parts per billion. Based on the sampling conducted at 23 faucets/fountains on October 31, 2015, the following 12 drinking water outlets had lead water level results greater than 15 parts per billion. Each of these 12 outlets is listed below with its sample results, including a description of the potential source(s) of lead, and recommended actions for the school to take.

Outlet: Bubbler Drinking Fountain (DW001)

Location: North Hallway, across from Classroom 12

Results: P1=64 parts per billion, P2=4 parts per billion
F01=2 parts per billion, F02=non-detect

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass with a brass connection on the underside of the unit. The connection piping to the unit also contains some brass components, including brass fittings and a brass valve.



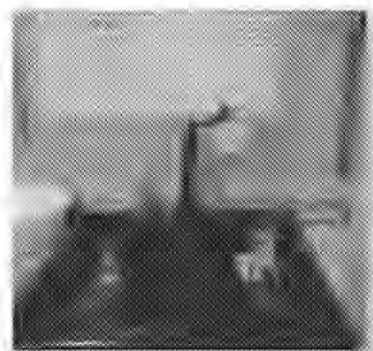
Replacement of this bubbler tap and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Laboratory Sink Faucet, Right (CF004)

Location: Classroom 17, west wall

Results: P1=56 parts per billion, P2=29 parts per billion,
F01=7 parts per billion, F02=3 parts per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. This faucet appears to be constructed of coated brass. Connecting plumbing for this faucet was not accessible, but should be checked for additional lead containing components, including brass fittings and a brass valve.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Laboratory Sink Faucet, Left (CF005)

Location: Classroom 17, west wall

Results: P1=31 parts per billion, P2=6 parts per billion,
F01=2 parts per billion, F02=1 part per billion

NO IMAGE
AVAILABLE

These results suggest the highest contribution of lead may be from the faucet itself. This faucet appears to be constructed of coated brass. Connecting plumbing for this faucet was not accessible, but should be checked for additional lead containing components, including brass fittings and a brass valve.

Replacement of this faucet and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet, Left (CF007)

Location: Classroom 26, south wall

Results: P1=164 parts per billion, P2=166 parts per billion,
F01=15 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Hot and cold water lines connect to this faucet with a brass mixer fitting under the sink. Connecting plumbing in the cabinet under the sink is copper piping with lead solder and contains additional brass components and brass shutoff valves.

Copper results for samples P1 and P2 at this location were also at levels above which the DEQ recommends school facilities take action. Copper results suggest these same brass components are contributing to this condition.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead and copper exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

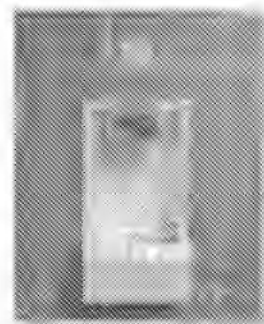
This faucet also has an aerator/screen at the outlet. If the faucet is not replaced, the aerator/screen should be removed, inspected for particulate accumulations, scrubbed clean, and reinstalled. If particulates are found, the aerator/screen should be periodically checked and cleaned.

Outlet: Bubbler Drinking Fountain, Right (DW008)

Location: South Hallway, across from Classroom 26

Results: P1=46 parts per billion, P2=11 parts per billion,
F01=4 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass with a brass connection on the underside of the unit. The connection piping to the unit also contains some brass components, including a brass valve.



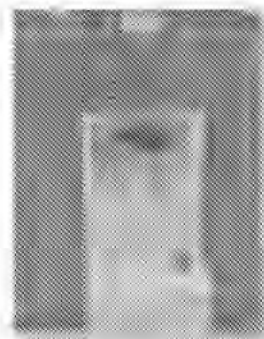
Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Drinking Fountain, Left (DW009)

Location: South Hallway, across from Classroom 26

Results: P1=23 parts per billion, P2=7 parts per billion,
F01=3 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass, has a brass connection on the underside of the unit, and a brass operating valve on the side of the unit. The connection piping to the unit also contains some brass components, including brass fittings and a brass valve.



Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (CF010)

Location: Room 27 Lounge, north wall

Results: P1=25 parts per billion, P2=34 parts per billion,
F01=2 parts per billion, F02=non-detect

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass, and has a brass connection on the underside of the sink. Connecting plumbing in the cabinet under the sink includes brass connectors and brass shut off valves.



Replacement of this faucet and its connection plumbing with lead free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Drinking Fountain, Left (DW013)

Location: West Wing South Hallway, between Classrooms 1 and 2

Results: P1=27 parts per billion, P2=15 parts per billion,
F01=8 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass with a brass connection on the underside of the unit. The connection piping to the unit also contains some brass components, including brass fittings and a brass valve.



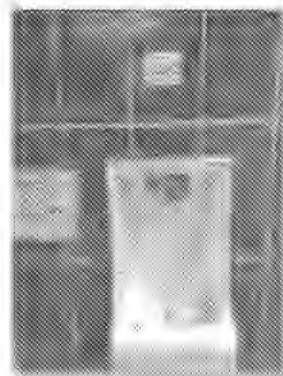
Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Drinking Fountain, Right (DW014)

Location: West Wing South Hallway, between Classrooms 1 and 2

Results: P1=16 parts per billion, P2=3 parts per billion,
F01=2 parts per billion, F02=1 part per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass with a brass connection on the underside of the unit. The connection piping to the unit also contains some brass components, including brass fittings and a brass valve.



Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Sink Faucet (KC019)

Location: Classroom 4, east wall

Results: P1=16 parts per billion, P2=10 parts per billion,
F01=non-detect, F02=non-detect

These results suggest the highest contribution of lead may be from the faucet and its connecting plumbing. The base of this faucet is chrome plated brass. Connecting plumbing for this faucet should be checked for additional lead containing components, including brass fittings and brass valves.



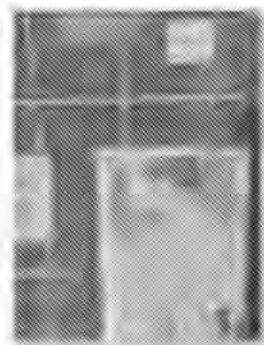
Replacement of this faucet and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Drinking Fountain, Right (DW020)

Location: West Wing North Hallway, between Classrooms 6 and 7

Results: P1=33 parts per billion, P2=15 parts per billion,
F01=20 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass with a brass connection on the underside of the unit. The connection piping to the unit also contains some brass components, including brass fittings and a brass valve.



Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlet: Bubbler Drinking Fountain, Left (DW021)

Location: West Wing North Hallway, between Classrooms 6 and 7

Results: P1=38 parts per billion, P2=27 parts per billion,
F01=2 parts per billion, F02=2 parts per billion

These results suggest the highest contribution of lead may be from the bubbler itself. This bubbler fixture is made of chrome plated brass with a brass connection on the underside of the unit. The connection piping to the unit also contains some brass components, including brass fittings and a brass valve.



Replacement of this bubbler tap and its connection plumbing with lead-free materials will significantly reduce lead exposure at this location. If replacement is not currently feasible, sample results indicate that flushing this tap for three minutes following periods of stagnation is likely to reduce lead concentrations and lead exposure.

Outlets With Lead Levels 15 Parts per Billion or Less

While the remaining 11 outlets showed sample results to be at levels requiring no further action, several recommendations have been identified.

The fourth sample (F02) at all 23 outlets following approximately three minutes of use and flushing at a reduced flow resulted in reduced lead concentrations of 3 parts per billion or less. This indicates that flushing of all taps used for drinking, cooking, and/or food preparation for four minutes following periods of stagnation will further reduce lead exposure. It is recommended that a flushing operational procedure be developed for use by staff responsible for plumbing operations and maintenance with emphasis on flushing after weekends and holidays.

Five of these 11 outlets are comprised of similar materials as the outlets listed above and could potentially experience higher lead levels under extended periods of stagnation. These faucets/fountains include:

- Bubbler Drinking Fountain Unit in North Hallway, across from Classroom 12 (DW002)
- Chrome Plated Brass Base Faucets in Classroom 15 (CF003), Classroom 26 (CF006), Classroom 6 (CF022), and Classroom 7 (CF023)

Replacement of these fixtures with lead-free materials is also recommended.

The remaining six outlets showed sample results of 15 parts per billion or less, requiring no further action or additional recommendations. These faucets/fountains include:

- Kitchen Faucets in the Community Room (CF012), Classroom 2 (KC017), and two in Classroom 1 (KC015 and KC016).
- Integrated Bubbler Faucet in the Classroom 4 restroom (CF018)
- Water Cooler in the hallway east of the Gym (WC011)

Consecutive Sampling Results and Building Plumbing Recommendations

The consecutive samples taken on October 31, 2015, at three sites in the Brownell STEM Academy school building provide additional confirmation that the highest contribution of lead appears to be from the individual faucet/fountains and not from the larger diameter supply plumbing within the school building. However, results from Classroom 17 also suggest that the copper supply line with lead solder joints serving the north hallway in the main wing may contain more stagnant water due to the limited number of fixtures served by this line and their lack of use. A flushing operational procedure may further reduce lead contributions from this supply line caused by stagnant conditions related to its use. Results of the consecutive sample monitoring are listed in the table below.

Sink / Faucet / Fountain #	1	2	3	4	5	6	7	8	9	10
LOCATION	LEAD RESULT (PARTS PER BILLION; ND = NOT-DETECTED)									
Classroom 17 Lab Sink Faucet (CF004)	10	3	3	3	2	2	2	2	2	2
Community Room Sink Faucet (CF012)	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Classroom 7 Sink Faucet (CF023)	2	ND	ND	ND	ND	ND	ND	ND	ND	ND

From: Krisztian, George (DEQ)
Sent: Thursday, December 10, 2015 7:48 AM
To: Pieper, Julia (DEQ)
Subject: Potter Elementary Draft Spread Sheet
Attachments: Potter Elementary Draft.xlsx

Hi Julie,

Please see the attached Spreadsheet. The cells in yellow need to be corrected. If they are data coding errors then please fix, if the data coding reflects what is on the paperwork then please consider this a request to correct field paperwork errors.

You may release the data once the errors have been corrected.

Thank you!
George

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

PPI

	A	B	C	D	E	F	G	H
1	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	SampleCollector	Site Code	Site Description
2	Lead	0.001	Copper	0.00	01CF001-RM22	TJD/GLK	CA1	First Sequential Sample
3	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA2	Second Sequential Sample
4	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA3	Third Sequential Sample
5	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA4	Forth Sequential Sample
6	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA5	Fifth Sequential Sample
7	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA6	Sixth Sequential Sample
8	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA7	Seventh Sequential Sample
9	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA8	Eigth Sequential Sample
10	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA9	Ninth Sequential Sample
11	Lead	0.000	Copper	0.00	01CF001-RM22	TJD/GLK	CA10	Tenth Sequential Sample
12	Lead	0.002	Copper	0.06	01CF013-RM 12	JS/LG	CB1	First Sequential Sample
13	Lead	0.001	Copper	0.05	01CF013-RM 12	JS/LG	CB2	Second Sequential Sample
14	Lead	0.000	Copper	0.05	01CF013-RM 12	JS/LG	CB3	Third Sequential Sample
15	Lead	0.000	Copper	0.05	01CF013-RM 12	JS/LG	CB4	Forth Sequential Sample
16	Lead	0.000	Copper	0.05	01CF013-RM 12	JS/LG	CB5	Fifth Sequential Sample
17	Lead	0.000	Copper	0.05	01CF013-RM 12	JS/LG	CB6	Sixth Sequential Sample
18	Lead	0.000	Copper	0.05	01CF013- RM12	JS/LG	CB7	Seventh Sequential Sample
19	Lead	0.000	Copper	0.05	01CF013-RM 12	JS/LG	CB8	Eigth Sequential Sample
20	Lead	0.000	Copper	0.05	01CF013-RM 12	JS/LG	CB9	Ninth Sequential Sample
21	Lead	0.000	Copper	0.05	01CF013-RM 12	JS/LG	CB10	Tenth Sequential Sample
22	Lead	0.005	Copper	0.17	01CF035-RM 2A	TJD/GLK	CC1	First Sequential Sample
23	Lead	0.003	Copper	0.18	01CF035-RM 2A	TJD/GLK	CC2	Second Sequential Sample
24	Lead	0.002	Copper	0.18	01CF035-RM 2A	TJD/GLK	CC3	Third Sequential Sample
25	Lead	0.003	Copper	0.18	01CF035-RM 2A	TJD/GLK	CC4	Forth Sequential Sample
26	Lead	0.002	Copper	0.18	01CF035-RM 2A	TJD/GLK	CC5	Fifth Sequential Sample
27	Lead	0.002	Copper	0.18	01CF035-RM 2A	TJD/GLK	CC6	Sixth Sequential Sample
28	Lead	0.002	Copper	0.18	01CF035-RM 2A	TJD/GLK	CC7	Seventh Sequential Sample
29	Lead	0.002	Copper	0.18	01CF035-RM 2A	STEVE BUSCH	CC8	Eigth Sequential Sample
30	Lead	0.002	Copper	0.17	01CF035-RM 2A	TJD/GLK	CC9	Ninth Sequential Sample
31	Lead	0.002	Copper	0.17	01CF035-RM 2A	TJD/GLK	CC10	Tenth Sequential Sample
32	Lead	0.009	Copper	0.12	01CF037-RM 38	JS/LG	CD1	First Sequential Sample
33	Lead	0.001	Copper	0.07	01CF037-RM 38	JS/LG	CD2	Second Sequential Sample
34	Lead	0.001	Copper	0.00	01CF037-RM 38	JS/LG	CD3	Third Sequential Sample
35	Lead	0.000	Copper	0.00	01CF037-RM 38	JS/LG	CD4	Forth Sequential Sample
36	Lead	0.000	Copper	0.00	01CF037-RM38	JS/LG	CD5	Fifth Sequential Sample
37	Lead	0.000	Copper	0.00	01CF037-RM 38	JS/LG	CD6	Sixth Sequential Sample
38	Lead	0.000	Copper	0.00	01CF037-RM 38	JS/LG	CD7	Seventh Sequential Sample
39	Lead	0.000	Copper	0.00	01CF037-RM 38	JS/LG	CD8	Eigth Sequential Sample
40	Lead	0.000	Copper	0.00	01CF037-ROOM 38	JS/LG	CD9	Ninth Sequential Sample
41	Lead	0.000	Copper	0.00	01CF037-RM 38	JS/LG	CD10	Tenth Sequential Sample
42	Lead	0.004	Copper	0.39	01CF052-RM 31	TJD/GLK	CE1	First Sequential Sample

	A	B	C	D	E	F	G	H
43	Lead	0.003	Copper	0.29	01CF052-RM 31	TJD/GLK	CE2	Second Sequential Sample
44	Lead	0.002	Copper	0.25	01CF052-RM 31	TJD/GLK	CE3	Third Sequential Sample
45	Lead	0.002	Copper	0.20	01CF052-RM 31	TJD/GLK	CE4	Forth Sequential Sample
46	Lead	0.002	Copper	0.19	01CF052-RM 31	TJD/GLK	CE5	Fifth Sequential Sample
47	Lead	0.002	Copper	0.18	01CF052-RM 31	TJD/GLK	CE6	Sixth Sequential Sample
48	Lead	0.005	Copper	0.24	01CF052-RM 31	TJD/GLK	CE7	Seventh Sequential Sample
49	Lead	0.006	Copper	0.22	01CF052-RM 31	TJD/GLK	CE8	Eigth Sequential Sample
50	Lead	0.004	Copper	0.16	01CF052-RM 31	TJD/GLK	CE9	Ninth Sequential Sample
51	Lead	0.003	Copper	0.14	01CF052-RM 31	TJD/GLK	CE10	Tenth Sequential Sample
52	Lead	0.000	Copper	0.30	03KC058-UNIT 3	TJD/GLK	CF1	First Sequential Sample
53	Lead	0.000	Copper	0.21	03KC058-UNIT 3	TJD/GLK	CF2	Second Sequential Sample
54	Lead	0.000	Copper	0.19	03KC058-UNIT 3	TJD/GLK	CF3	Third Sequential Sample
55	Lead	0.000	Copper	0.18	03KC058-UNIT 3	TJD/GLK	CF4	Forth Sequential Sample
56	Lead	0.000	Copper	0.17	03KC058-UNIT 3	TJD/GLK	CF5	Fifth Sequential Sample
57	Lead	0.000	Copper	0.17	03KC058-UNIT 3	TJD/GLK	CF6	Sixth Sequential Sample
58	Lead	0.000	Copper	0.16	03KC058-UNIT 3	TJD/GLK	CF7	Seventh Sequential Sample
59	Lead	0.000	Copper	0.16	03KC058-UNIT 3	TJD/GLK	CF8	Eigth Sequential Sample
60	Lead	0.000	Copper	0.15	03KC058-UNIT 3	TJD/GLK	CF9	Ninth Sequential Sample
61	Lead	0.000	Copper	0.14	03KC058-UNIT 3	TJD/GLK	CF10	Tenth Sequential Sample
62	Lead	0.017	Copper	0.14	01DW020 RM 7	JS & LG	P1	First Primary draw of 125 milliliters
63	Lead	0.005	Copper	0.13	01DW020 RM 7	JS & LG	P2	Second Primary draw of 125 milliliters
64	Lead	0.004	Copper	0.13	01DW020 RM 7	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
65	Lead	0.003	Copper	0.13	01DW020 RM 7	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
66	Lead	0.018	Copper	0.13	01CF019 RM 7	JS & LG	P1	First Primary draw of 125 milliliters
67	Lead	0.012	Copper	0.21	01CF019 RM 7	JS & LG	P2	Second Primary draw of 125 milliliters
68	Lead	0.001	Copper	0.14	01CF019 RM 7	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
69	Lead	0.000	Copper	0.13	01CF019 RM 7	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
70	Lead	0.005	Copper	0.27	01KC026 RM5	JS & LG	P1	First Primary draw of 125 milliliters
71	Lead	0.002	Copper	0.24	01KC026 RM 5	JS & LG	P2	Second Primary draw of 125 milliliters
72	Lead	0.000	Copper	0.16	01KC026 RM 5	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
73	Lead	0.000	Copper	0.16	01KC026 RM 5	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
74	Lead	0.065	Copper	0.20	01DW022 RM 6	JS & LG	P1	First Primary draw of 125 milliliters
75	Lead	0.005	Copper	0.08	01DW022 RM 6	JS & LG	P2	Second Primary draw of 125 milliliters
76	Lead	0.003	Copper	0.07	01DW022 RM 6	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
77	Lead	0.002	Copper	0.07	01DW022 RM 6	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
78	Lead	0.025	Copper	0.33	01CF021 RM 6	JS & LG	P1	First Primary draw of 125 milliliters
79	Lead	0.008	Copper	0.29	01CF021 RM 6	JS & LG	P2	Second Primary draw of 125 milliliters
80	Lead	0.002	Copper	0.12	01CF021 RM 6	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
81	Lead	0.001	Copper	0.08	01CF021 RM 6	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
82	Lead	0.003	Copper	0.29	01CF024 RM 5	JS & LG	P1	First Primary draw of 125 milliliters
83	Lead	0.003	Copper	0.18	01CF024 RM 5	JS & LG	P2	Second Primary draw of 125 milliliters
84	Lead	0.002	Copper	0.14	01CF024 RM 5	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G	H
85	Lead	0.001	Copper	0.15	01CF024 RM 5	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
86	Lead	0.011	Copper	0.08	01DW016 RM 10	JS & LG	P1	First Primary draw of 125 milliliters
87	Lead	0.002	Copper	0.07	01DW016 RM 10	JS & LG	P2	Second Primary draw of 125 milliliters
88	Lead	0.000	Copper	0.07	01DW016 RM 10	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
89	Lead	0.000	Copper	0.06	01DW016 RM 10	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
90	Lead	0.007	Copper	0.15	01CF017 RM 8	JS & LG	P1	First Primary draw of 125 milliliters
91	Lead	0.014	Copper	0.16	01CF017 RM 8	JS & LG	P2	Second Primary draw of 125 milliliters
92	Lead	0.002	Copper	0.10	01CF017 RM 8	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
93	Lead	0.000	Copper	0.07	01CF017 RM 8	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
94	Lead	0.004	Copper	0.34	01KC025 RM 5	JS & LG	P1	First Primary draw of 125 milliliters
95	Lead	0.002	Copper	0.56	01KC025 RM 5	JS & LG	P2	Second Primary draw of 125 milliliters
96	Lead	0.001	Copper	0.17	01KC025 RM 5	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
97	Lead	0.000	Copper	0.16	01KC025 RM 5	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
98	Lead	0.014	Copper	0.29	01CF015 RM 10	JS & LG	P1	First Primary draw of 125 milliliters
99	Lead	0.011	Copper	0.26	01CF015 RM 10	JS & LG	P2	Second Primary draw of 125 milliliters
100	Lead	0.000	Copper	0.07	01CF015 RM 10	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
101	Lead	0.000	Copper	0.07	01CF015 RM 10	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
102	Lead	0.006	Copper	0.14	01DW018 RM 8	JS & LG	P1	First Primary draw of 125 milliliters
103	Lead	0.001	Copper	0.07	01DW018 RM 8	JS & LG	P2	Second Primary draw of 125 milliliters
104	Lead	0.001	Copper	0.06	01DW018 RM 8	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
105	Lead	0.000	Copper	0.06	01DW018 RM 8	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
106	Lead	0.014	Copper	0.53	01DW023 RM 5	JS & LG	P1	First Primary draw of 125 milliliters
107	Lead	0.004	Copper	0.29	01DW023 RM 5	JS & LG	P2	Second Primary draw of 125 milliliters
108	Lead	0.005	Copper	0.13	01DW023 RM 5	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
109	Lead	0.004	Copper	0.14	01DW023 RM 5	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
110	Lead	0.005	Copper	0.14	01CF033 RM 1A LIBRARY	JS & LG	P1	First Primary draw of 125 milliliters
111	Lead	0.005	Copper	0.16	01CF033 RM 1A LIBRARY	JS & LG	P2	Second Primary draw of 125 milliliters
112	Lead	0.005	Copper	0.15	01CF033 RM 1A LIBRARY	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
113	Lead	0.002	Copper	0.16	01CF033 RM 1A LIBRARY	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
114	Lead	0.023	Copper	0.23	01DW032 RM 1A LIBRARY	JS & LG	P1	First Primary draw of 125 milliliters
115	Lead	0.011	Copper	0.19	01DW032 RM 1A LIBRARY	JS & LG	P2	Second Primary draw of 125 milliliters
116	Lead	0.028	Copper	0.15	01DW032 RM 1A LIBRARY	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
117	Lead	0.005	Copper	0.16	01DW032 RM 1A LIBRARY	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
118	Lead	0.556	Copper	4.76	01DW034 RM 1A LIBRARY	JS & LG	P1	First Primary draw of 125 milliliters
119	Lead	0.069	Copper	1.10	01DW034 RM 1A LIBRARY	JS & LG	P2	Second Primary draw of 125 milliliters
120	Lead	0.038	Copper	1.34	01DW034 RM 1A LIBRARY	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
121	Lead	0.004	Copper	0.23	01DW034 RM 1A LIBRARY	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
122	Lead	0.025	Copper	0.20	01DW036 RM 2A LIBRARY	JS & LG	P1	First Primary draw of 125 milliliters
123	Lead	0.007	Copper	0.16	01DW036 RM 2A LIBRARY	JS & LG	P2	Second Primary draw of 125 milliliters
124	Lead	0.004	Copper	0.16	01DW036 RM 2A LIBRARY	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
125	Lead	0.002	Copper	0.18	01DW036 RM 2A LIBRARY	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
126	Lead	0.009	Copper	0.00	01CF035 RM 2A LIBRARY	JS & LG	P1	First Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H
127	Lead	0.023	Copper	0.16	01CF035 RM 2A LIBRARY	JS & LG	P2	Second Primary draw of 125 milliliters
128	Lead	0.012	Copper	0.16	01CF035 RM 2A LIBRARY	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
129	Lead	0.006	Copper	0.16	01CF035 RM 2A LIBRARY	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
130	Lead	0.003	Copper	0.45	01BF031 RM 3	JS & LG	P1	First Primary draw of 125 milliliters
131	Lead	0.011	Copper	0.23	01BF031 RM 3	JS & LG	P2	Second Primary draw of 125 milliliters
132	Lead	0.005	Copper	0.13	01BF031 RM 3	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
133	Lead	0.002	Copper	0.14	01BF031 RM 3	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
134	Lead	0.017	Copper	0.19	01CF027 RM 4	JS & LG	P1	First Primary draw of 125 milliliters
135	Lead	0.010	Copper	0.29	01CF027 RM 4	JS & LG	P2	Second Primary draw of 125 milliliters
136	Lead	0.002	Copper	0.10	01CF027 RM 4	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
137	Lead	0.000	Copper	0.09	01CF027 RM 4	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
138	Lead	0.024	Copper	0.27	01CF029 RM 3	JS & LG	P1	First Primary draw of 125 milliliters
139	Lead	0.024	Copper	0.24	01CF029 RM 3	JS & LG	P2	Second Primary draw of 125 milliliters
140	Lead	0.005	Copper	0.22	01CF029 RM 3	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
141	Lead	0.009	Copper	0.25	01CF029 RM 3	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
142	Lead	0.013	Copper	0.20	01DW030 RM 3	JS & LG	P1	First Primary draw of 125 milliliters
143	Lead	0.010	Copper	0.22	01DW030 RM 3	JS & LG	P2	Second Primary draw of 125 milliliters
144	Lead	0.010	Copper	0.21	01DW030 RM 3	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
145	Lead	0.005	Copper	0.18	01DW030 RM 3	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
146	Lead	0.005	Copper	0.09	01DW028 RM 4	JS & LG	P1	First Primary draw of 125 milliliters
147	Lead	0.002	Copper	0.09	01DW028 RM 4	JS & LG	P2	Second Primary draw of 125 milliliters
148	Lead	0.001	Copper	0.09	01DW028 RM 4	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
149	Lead	0.000	Copper	0.08	01DW028 RM 4	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
150	Lead	0.008	Copper	0.39	01CF003 RM 17	JS & LG	P1	First Primary draw of 125 milliliters
151	Lead	0.003	Copper	0.31	01CF003 RM 17	JS & LG	P2	Second Primary draw of 125 milliliters
152	Lead	0.000	Copper	0.07	01CF003 RM 17	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
153	Lead	0.000	Copper	0.06	01CF003 RM 17	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
154	Lead	0.004	Copper	0.07	01CF001 RM 22	JS & LG	P1	First Primary draw of 125 milliliters
155	Lead	0.002	Copper	0.06	01CF001 RM 22	JS & LG	P2	Second Primary draw of 125 milliliters
156	Lead	0.000	Copper	0.00	01CF001 RM 22	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
157	Lead	0.000	Copper	0.00	01CF001 RM 22	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
158	Lead	0.030	Copper	0.30	01DW006 RM 15	JS & LG	P1	First Primary draw of 125 milliliters
159	Lead	0.014	Copper	0.30	01DW006 RM 15	JS & LG	P2	Second Primary draw of 125 milliliters
160	Lead	0.002	Copper	0.10	01DW006 RM 15	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
161	Lead	0.001	Copper	0.07	01DW006 RM 15	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
162	Lead	0.008	Copper	0.09	01CF004 RM 20	JS & LG	P1	First Primary draw of 125 milliliters
163	Lead	0.005	Copper	0.14	01CF004 RM 20	JS & LG	P2	Second Primary draw of 125 milliliters
164	Lead	0.000	Copper	0.06	01CF004 RM 20	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
165	Lead	0.000	Copper	0.06	01CF004 RM 20	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
166	Lead	0.008	Copper	0.22	01CF007 RM 15	JS & LG	P1	First Primary draw of 125 milliliters
167	Lead	0.004	Copper	0.09	01CF007 RM 15	JS & LG	P2	Second Primary draw of 125 milliliters
168	Lead	0.001	Copper	0.07	01CF007 RM 15	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G	H
169	Lead	0.000	Copper	0.06	01CF007 RM 15	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
170	Lead	0.003	Copper	0.13	01DW005 RM 20	JS & LG	P1	First Primary draw of 125 milliliters
171	Lead	0.000	Copper	0.06	01DW005 RM 20	JS & LG	P2	Second Primary draw of 125 milliliters
172	Lead	0.000	Copper	0.06	01DW005 RM 20	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
173	Lead	0.001	Copper	0.06	01DW005 RM 20	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
174	Lead	0.008	Copper	0.18	01KC009 DHHS	JS & LG	P1	First Primary draw of 125 milliliters
175	Lead	0.003	Copper	0.33	01KC009 DHHS	JS & LG	P2	Second Primary draw of 125 milliliters
176	Lead	0.000	Copper	0.07	01KC009 DHHS	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
177	Lead	0.000	Copper	0.06	01KC009 DHHS	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
178	Lead	0.008	Copper	0.25	01CF014 RM 9	JS & LG	P1	First Primary draw of 125 milliliters
179	Lead	0.011	Copper	0.33	01CF014 RM 9	JS & LG	P2	Second Primary draw of 125 milliliters
180	Lead	0.003	Copper	0.20	01CF014 RM 9	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
181	Lead	0.000	Copper	0.13	01CF014 RM 9	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
182	Lead	0.004	Copper	0.12	01CF013 RM 12	JS & LG	P1	First Primary draw of 125 milliliters
183	Lead	0.002	Copper	0.06	01CF013 RM 12	JS & LG	P2	Second Primary draw of 125 milliliters
184	Lead	0.000	Copper	0.00	01CF013 RM 12	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
185	Lead	0.000	Copper	0.00	01CF013 RM 12	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
186	Lead	0.005	Copper	0.17	01KC008 COMMUNITY RM	JS & LG	P1	First Primary draw of 125 milliliters
187	Lead	0.009	Copper	0.15	01KC008 COMMUNITY RM	JS & LG	P2	Second Primary draw of 125 milliliters
188	Lead	0.001	Copper	0.09	01KC008 COMMUNITY RM	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
189	Lead	0.000	Copper	0.07	01KC008 COMMUNITY RM	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
190	Lead	0.010	Copper	0.18	01DW012 RM 12	JS & LG	P1	First Primary draw of 125 milliliters
191	Lead	0.005	Copper	0.10	01DW012 RM 12	JS & LG	P2	Second Primary draw of 125 milliliters
192	Lead	0.001	Copper	0.00	01DW012 RM 12	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
193	Lead	0.000	Copper	0.00	01DW012 RM 12	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
194	Lead	0.030	Copper	0.20	01CF039- RM 39	TJD/GLK	P1	First Primary draw of 125 milliliters
195	Lead	0.022	Copper	0.27	01CF039- RM 39	TJD/GLK	P2	Second Primary draw of 125 milliliters
196	Lead	0.002	Copper	0.08	01CF039- RM 39	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
197	Lead	0.002	Copper	0.07	01CF039- RM 39	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
198	Lead	0.005	Copper	0.19	01DW044- RM 37	TJD/GLK	P1	First Primary draw of 125 milliliters
199	Lead	0.001	Copper	0.09	01DW044- RM 37	TJD/GLK	P2	Second Primary draw of 125 milliliters
200	Lead	0.001	Copper	0.09	01DW044- RM 37	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
201	Lead	0.000	Copper	0.08	01DW044- RM 37	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
202	Lead	0.000	Copper	0.41	03KC058- UNIT 3	TJD/GLK	P1	First Primary draw of 125 milliliters
203	Lead	0.000	Copper	0.61	03KC058- UNIT 3	TJD/GLK	P2	Second Primary draw of 125 milliliters
204	Lead	0.000	Copper	0.51	03KC058- UNIT 3	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
205	Lead	0.000	Copper	0.48	03KC058- UNIT 3	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
206	Lead	0.027	Copper	0.08	02DW057- OUT UNIT 2	TJD/GLK	P1	First Primary draw of 125 milliliters
207	Lead	0.001	Copper	0.13	02DW057- OUT UNIT 2	TJD/GLK	P2	Second Primary draw of 125 milliliters
208	Lead	0.000	Copper	0.14	02DW057 OUT UNIT 2	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
209	Lead	0.000	Copper	0.09	02DW057 - OUT UNIT 2	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
210	Lead	0.261	Copper	0.17	01DW040 - RM 39	TJD/GLK	P1	First Primary draw of 125 milliliters

	A	B	C	D	E	F	G	H
211	Lead	0.026	Copper	0.08	01DW040 - RM 39	TJD/GLK	P2	Second Primary draw of 125 milliliters
212	Lead	0.012	Copper	0.07	01DW040 - RM 39	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
213	Lead	0.008	Copper	0.06	01DW040 - RM 39	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
214	Lead	0.002	Copper	0.10	02KC056 - OUT UNIT 2	TJD/GLK	P1	First Primary draw of 125 milliliters
215	Lead	0.001	Copper	0.34	02KC056 - OUT UNIT 2	TJD/GLK	P2	Second Primary draw of 125 milliliters
216	Lead	0.000	Copper	0.19	02KC056 - OUT UNIT 2	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
217	Lead	0.000	Copper	0.14	02KC056 - OUT UNIT 2	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
218	Lead	0.002	Copper	0.85	03WC059 - UNIT 3	TJD/GLK	P1	First Primary draw of 125 milliliters
219	Lead	0.004	Copper	1.11	30WC059 - UNIT 3	TJD/GLK	P2	Second Primary draw of 125 milliliters
220	Lead	0.011	Copper	2.54	03WC059 - UNIT 3	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
221	Lead	0.005	Copper	1.31	03WC059 - UNIT 3	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
222	Lead	0.015	Copper	0.33	01CF043 - RM 37	TJD/GLK	P1	First Primary draw of 125 milliliters
223	Lead	0.010	Copper	0.37	01CF043 - RM 37	TJD/GLK	P2	Second Primary draw of 125 milliliters
224	Lead	0.002	Copper	0.10	01CF043 - RM 37	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
225	Lead	0.000	Copper	0.09	01CF043 - RM 37	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
226	Lead	0.023	Copper	0.07	01DW038 - RM 38	TJD/GLK	P1	First Primary draw of 125 milliliters
227	Lead	0.003	Copper	0.00	01DW038 - RM 38	TJD	P2	Second Primary draw of 125 milliliters
228	Lead	0.000	Copper	0.00	01DW038 - RM 38	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
229	Lead	0.000	Copper	0.00	01DW038 - RM 38	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
230	Lead	0.030	Copper	0.14	01CF037 - RM 38	TJD/GLK	P1	First Primary draw of 125 milliliters
231	Lead	0.019	Copper	0.23	01CF037 - RM 38	TJD/GLK	P2	Second Primary draw of 125 milliliters
232	Lead	0.002	Copper	0.10	01CF037 - RM 38	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
233	Lead	0.000	Copper	0.00	01CF037 - RM 38	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
234	Lead	0.008	Copper	0.15	01DW042 - RM 36	TJD/GLK	P1	First Primary draw of 125 milliliters
235	Lead	0.002	Copper	0.06	01DW042 - RM 36	TJD/GLK	P2	Second Primary draw of 125 milliliters
236	Lead	0.002	Copper	0.05	01DW042 - RM 36	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
237	Lead	0.001	Copper	0.05	01DW042 - RM 36	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
238	Lead	0.020	Copper	0.16	01CF041 - RM 36	TJD/GLK	P1	First Primary draw of 125 milliliters
239	Lead	0.011	Copper	0.25	01CF041 - RM 36	TJD/GLK	P2	Second Primary draw of 125 milliliters
240	Lead	0.001	Copper	0.07	01CF041 - RM 36	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
241	Lead	0.000	Copper	0.00	01CF041 - RM 36	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
242	Lead	0.022	Copper	0.29	01CF047 - RM 35	TJD/GLK	P1	First Primary draw of 125 milliliters
243	Lead	0.042	Copper	0.39	01CF047 - RM 35	TJD/GLK	P2	Second Primary draw of 125 milliliters
244	Lead	0.015	Copper	0.30	01CF047 - RM 35	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
245	Lead	0.011	Copper	0.15	01CF047 - RM 35	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
246	Lead	0.005	Copper	0.18	01CF045 - RM 34	TJD/GLK	P1	First Primary draw of 125 milliliters
247	Lead	0.002	Copper	0.23	01CF045 - RM 34	TJD/GLK	P2	Second Primary draw of 125 milliliters
248	Lead	0.001	Copper	0.10	01CF045 - RM 34	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
249	Lead	0.000	Copper	0.06	01CF045 - RM 34	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
250	Lead	0.003	Copper	0.07	01DW046 - RM 34	TJD/GLK	P1	First Primary draw of 125 milliliters
251	Lead	0.000	Copper	0.07	01DW046 - RM 34	TJD/GLK	P2	Second Primary draw of 125 milliliters
252	Lead	0.000	Copper	0.06	01DW046 - RM 34	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw

	A	B	C	D	E	F	G	H
253	Lead	0.000	Copper	0.06	01DW046 - RM 34	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
254	Lead	0.006	Copper	0.33	01CF050 - RM 33	TJD/GLK	P1	First Primary draw of 125 milliliters
255	Lead	0.005	Copper	0.15	01CF050 - RM 33	TJD/GLK	P2	Second Primary draw of 125 milliliters
256	Lead	0.004	Copper	0.13	01CF050 - RM 33	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
257	Lead	0.003	Copper	0.11	01CF050 - RM 33	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
258	Lead	0.007	Copper	0.39	01DW049 - RM 33	TJD/GLK	P1	First Primary draw of 125 milliliters
259	Lead	0.003	Copper	0.42	01DW049 - RM 33	TJD/GLK	P2	Second Primary draw of 125 milliliters
260	Lead	0.003	Copper	0.17	01DW049 - RM 33	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
261	Lead	0.004	Copper	0.13	01DW049 - RM 33	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
262	Lead	0.017	Copper	0.22	01DW048 - RM 35	TJD/GLK	P1	First Primary draw of 125 milliliters
263	Lead	0.010	Copper	0.15	01DW048 - RM 35	TJD/GLK	P2	Second Primary draw of 125 milliliters
264	Lead	0.009	Copper	0.15	01DW048 - RM 35	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
265	Lead	0.006	Copper	0.13	01DW048 - RM 35	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
266	Lead	0.002	Copper	0.73	01WC051 - HALLWAY ACROSS RM 31	TJD/GLK	P1	First Primary draw of 125 milliliters
267	Lead	0.002	Copper	0.74	01WC051 - HALLWAY ACROSS RM 31	TJD/GLK	P2	Second Primary draw of 125 milliliters
268	Lead	0.021	Copper	1.63	01WC051 - HALLWAY ACROSS RM 31	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
269	Lead	0.001	Copper	0.31	01WC051 - HALLWAY ACROSS RM 31	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
270	Lead	0.003	Copper	0.89	01WC054 - S END EAST WING	TJD/GLK	P1	First Primary draw of 125 milliliters
271	Lead	0.004	Copper	0.90	01WC054 - S END EAST WING	TJD/GLK	P2	Second Primary draw of 125 milliliters
272	Lead	0.002	Copper	0.61	01WC054 - S END EAST WING	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
273	Lead	0.002	Copper	0.47	01WC054 - S END EAST WING	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
274	Lead	0.004	Copper	0.31	01DW053 - RM 31	TJD/GLK	P1	First Primary draw of 125 milliliters
275	Lead	0.002	Copper	0.39	01DW053 - RM 31	TJD/GLK	P2	Second Primary draw of 125 milliliters
276	Lead	0.001	Copper	0.38	01DW053 - RM 31	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
277	Lead	0.002	Copper	0.21	01DW053 - RM 31	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
278	Lead	0.008	Copper	0.87	01WC055 - SOUTHEND EAST WING	TJD/GLK	P1	First Primary draw of 125 milliliters
279	Lead	0.007	Copper	0.83	01WC055 - SOUTHEND EAST WING	TJD/GLK	P2	Second Primary draw of 125 milliliters
280	Lead	0.004	Copper	0.52	01WC055 - SOUTHEND EAST WING	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
281	Lead	0.000	Copper	0.29	01WC055 - SOUTHEND EAST WING	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample
282	Lead	0.011	Copper	0.14	01DW002 - RM 22	JS & LG	P1	First Primary draw of 125 milliliters
283	Lead	0.002	Copper	0.05	01DW002 - RM 22	JS & LG	P2	Second Primary draw of 125 milliliters
284	Lead	0.000	Copper	0.00	01DW002 - RM 22	JS & LG	F01	Flush Sample taken 30 Seconds after Second Primary Draw
285	Lead	0.000	Copper	0.00	01DW002 - RM 22	JS & LG	F02	Flush Sample taken 2 minutes after First Flush Sample
286	Lead	0.011	Copper	0.48	01CF052 - RM 31	TJD/GLK	P1	First Primary draw of 125 milliliters
287	Lead	0.007	Copper	0.67	01CF052 - RM 31	TJD - GLK	P2	Second Primary draw of 125 milliliters
288	Lead	0.002	Copper	0.49	01CF052 - RM 31	TJD/GLK	F01	Flush Sample taken 30 Seconds after Second Primary Draw
289	Lead	0.001	Copper	0.42	01CF052 - RM 31	TJD/GLK	F02	Flush Sample taken 2 minutes after First Flush Sample

From: Krisztian, George (DEQ)
Sent: Thursday, December 10, 2015 4:52 PM
To: schandler@tectest.com
Subject: Sampling
Attachments: Working Draft - DEQ Collecting Water Samples at Schools 12-3-15.docx

Hi Scott,

Per our phone call today, please find attached the working draft of the sampling protocol that the DEQ is using for sampling drinking water sources in schools.

Thank you
George

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

PPI

DRAFT – WORK IN PROGRESS
Protocol for Collecting Water Samples at Schools for Lead Analysis

The following is the procedure being used by the Michigan Department of Environmental Quality to ensure samples from schools on city of Flint water are collected in a systematic, consistent manner to provide meaningful results. By following the below procedures school and health officials will have information to be able to identify and correct sources that contribute lead into drinking water. The procedures being used are:

- With the assistance from Department of Licensing and Regulatory Affairs (LARA) staff, conduct an on-site assessment of the building plumbing to identify plumbing components of concern and prioritize sample sites.
- DEQ and LARA staffs collect the samples from prioritized sites and in the sequence recommended by LARA.
- Submit the samples and appropriate paperwork to the DEQ Drinking Water Laboratory.
- Laboratory performs analysis and informs DEQ (ODWMA) staff of the results.
- DEQ informs DHHS of test results, and they jointly interpret the results.
- DHHS and DEQ staff relays the results to school officials and confers on any follow-up or corrective remedies that may be needed.

Step 1 – Prepare for On-Site Assessment

In order to assist LARA staff to identify and prioritize sample sites, school staff are being asked to compile, collect, and review any records pertaining to the building plumbing. This includes building permits, plumbing permits, as built plans, and information about the service line and all potable water pipes, fixtures and appurtenances within the building. At a minimum, a diagram of each floor layout should be provided. In addition, answers to the following questions will help streamline the on-site assessment process.

- When was the facility built?
- Have new buildings or additions been added? If so, when were they added? If built since 1986, were lead-free plumbing and solder used?
- When were the most recent plumbing repairs made and where were they located?
- What are the potable water pipes in the facility made of and what is their location? Options include: lead, brass, copper, plastic, galvanized metal and other materials. What materials were used to solder the potable water pipes in the system? Are brass taps, fittings or valves used? Note the locations.
- How many of the following outlets provide water for consumption: Bubblers, ice makers, water coolers and kitchen taps. Note their location. Include taps that might be used for making coffee or preparing formula.

- What brands and models of water coolers (cooled drinking fountains) provide water in the facility and what is their location?
- Do faucets have accessible screens and have they been cleaned?
- Can you detect any signs of corrosion, such as leaks, rust-colored water or stains?
- Is any electrical equipment grounded to water pipes?
- Are there any records of previous water testing?

Step 2 – LARA Arranges for On-site Plumbing Assessment

LARA staff will contact school officials/staff and set a date and time for the assessment. A school representative familiar with the building layout and plumbing system should accompany LARA staff as they conduct the assessment. A room reserved for records review should also be available. If possible, a DEQ staff person will also accompany and assist LARA staff performing the on-site plumbing inspection.

As part of the on-site assessment, LARA staff should identify if there is any water treatment being done in the building, i.e., point of use (POU) or point of entry (POE).

Step 3 – LARA Prioritizes Sample Sites and Sampling Sequence

This protocol is for all faucets, taps and outlets that are used regularly by students and staff for drinking, cooking, making coffee or food preparation to be sampled. Sampling locations include:

- Drinking Fountains (both bubblers and water cooler style).
- Kitchen Sinks, faucets or taps.
- Breakroom, classroom, teachers' lounge or other sinks known to be or visibly used for consumption (water glasses or coffeemaker and/or cups are nearby).

LARA staff will assign a sample site Identification (ID) number for each sample site and will determine the order in which each site is to be sampled. The ID number will reflect the type of tap/outlet and location. Each sampling location will be documented with digital photos, if possible. Staff should record any model number of faucets, valves, etc. that are accessible to inspection. If potential brass devices are seen they should be noted.

To determine the sampling sequence, LARA staff will identify the site closest to the service line to be collected first. LARA staff will then determine the appropriate sequence/order to sample each outlet beginning closest to the water main and continuing out farther from the service line until the site the farthest away is sampled last. This will minimize the chance that the piping may be flushed by a downstream or other sample location prior to collecting the samples at that site.

LARA staff will also identify any water coolers that should have been removed under the Lead Contamination Control Act (LCCA) in 1988. The LCCA mandated the repair, replacement or recall and refund of drinking water coolers with lead-lined water tanks. LARA staff will confirm that there are no recalled water coolers on-site. Any coolers that should have been removed will be marked for removal or replacement.

Step 4 - Labeling the Sample Sites and Preparing Labels for the Bottles

Coding Scheme for Water Outlets

A drinking water bubbler (DW) that was the 15th outlet counted, might be coded as follows.

- DW-015
- DW= drinking water bubbler
- WC = water cooler (chiller unit)
- CF = classroom faucet
- KC = kitchen faucet, cold
- KH = kitchen faucet, hot
- EC = home economics room, cold
- EH = home economics room sink, hot
- BF = bathroom faucet
- NS = nurse's office sink
- SC = service connector

In addition to the unique outlet code, a unique sample identifier is necessary since four samples will be taken from each outlet.

For example, the first draw (P1) and flush (F01) samples taken for the above outlet would be DW-015-P1, and DW-015-F01.

- P = primary (first draw) sample – P1 and P2
- F = flush
- 01 = first flush sample at 30 seconds
- 02 = second flush sample at 2 minutes

Step 5 – Prior to Sample Collection

Once LARA staff has labeled each outlet, school personnel should ensure that the labels are maintained. Even after the initial sampling, it will be important to keep a record of each tap designation so that any future or follow-up sampling can be correlated to the correct outlet. Digital photos will assist with this if necessary.

Also, since drinking water has not been consumed from taps within the school buildings for several weeks, it is important to flush the taps the day prior to the sampling. For purposes of these sampling events, at the time of the on-site assessment LARA staff will ensure that each sampling location is run for two minutes to clear the faucet. This should be sufficient as long as the sampling teams are scheduled to arrive the next day to collect samples.

Each outlet should be labeled and posted **“DO NOT USE”** so that no water is used before sampling occurs. The sample sequence will be determined by LARA so that sampling will occur closest to the water main/service line provided by the city.

Step 6 – Collect the Samples

After the sites and order of collection have been determined by LARA staff, and the taps flushed, samples will be collected the next day by DEQ and LARA staff. School personnel will be notified to ensure water is not used in the building. (Scheduling for sampling should confirm that there are no evening activities in the building or on-site the night before sampling). In addition, no outlets or water should be used in the building until sampling is completed. Use of bathrooms, etc. could draw fresh water through the piping system and alter the effects of stagnation.

A team of 3 is used for each sample collection location. Each team consists of one DEQ staff to keep water flowing/shut off at appropriate times and maintain pencil stream flow, plus one DEQ staff to collect the water samples, and one LARA inspector to ensure the proper order of unique sample locations and to keep official time for flushing periods. DEQ staffs will ensure accurate completion of labeling sample bottles and the Request for Analysis forms.

Arrange ahead of time to utilize a rolling cart for transporting sample units and water samples during the sampling event. After sampling has been completed, transport the samples from the rolling cart to the staff vehicle and return the rolling cart to the building. Staff may need to bring a folding wheeled cart if an on-site rolling cart is not available.

Sampling containers will be provided by the DEQ Drinking Water Laboratory.

1. Four samples will be collected from each designated sample site. There will be four 125 milliliter (ml) samples collected at each outlet. Sample units for this evaluation/survey will be designated 32CC.
2. Collect all water samples before proceeding with normal use of the water supply. Ideally, the water should sit in the pipes unused for at least 8 hours but not more than 18 hours before a sample is collected.
3. Notes should be taken at each sampling location regarding any treatment device that may be present (e.g., is there an in-line filter at that location) and whether the outlet/tap has an aerator present. Document other noteworthy items for each location such as leaky faucet, rust stained sink, etc.
4. Do not remove the aerator if there is one.
5. The four samples from each site are to be collected as follows: 2 – consecutive first draw samples, after a 30 second flush, and a 2 minute flush as follows:

- a. Before beginning the sampling process, write on each sample bottle's green label an identification code according to the sample tap coding, and type of sample collected (i.e. P1, P2, F01, F02) using a black Fine Point Sharpie permanent marker. To ensure clarity for the DEQ lab data coders draw a slash mark through each zero, the number one is a straight vertical line (no hat or foot), and cross each number seven.
 - b. Next, using a red Sharpie permanent marker, write '1' on the white cap of the sample unit marked as P1; write '2' on the cap of the unit marked as P2; write '3' of the cap for the unit marked as F01, and write '4' on the cap of the unit marked as F02.
 - c. The Request for Analysis forms will be pre-populated with necessary account billing number, name of building, school or owner, address and parameter to be tested. Each team must fill in the Date Collected, Time, Sampling Point (unique outlet location code provided by LARA), and Site Code (unique sample identifier [P1, P2, F01, F02]) using a pen, pencil or black Sharpie. If the testing parameter is not already populated for Lead and Copper analyses, mark as 32CC for the 125 ml sampling units.
 - d. Make sure to collect the water samples in this order: "P1" for the very first-draw, P2 as the second first-draw, F01 immediately following a 30 second flush period, and F02 immediately following a 2 minute flush period.
 - e. After the appropriate 8 – 18 hour stagnation time, place the first bottle under the tap, open the tap to produce a slow, steady "pencil thin" flow and fill the first bottle (P1) to the appropriate level and immediately fill a second bottle (P2) without a break in stream (do not turn off the tap between the first and second bottle and do not allow water to run down the drain in between the first and second bottle).
 - f. Turn off tap. Cap each sample unit checking to make sure to match P1 unit to '1' white cap, P2 unit to '2' white cap.
 - g. Turn on tap as before and after 30 seconds, fill the third bottle marked F01.
 - h. Turn off tap. Cap the sample unit checking to make sure the lid matches the third sample.
 - i. Turn on tap as before and after 2 minutes, fill the fourth bottle marked F02.
 - j. Turn off tap. Cap the sample unit checking to make sure the lid matches the fourth sample.
6. Secure the appropriate request for water analysis form to the appropriate bottle (refer to the example bottle provided for "instructions") with a rubber band.
 7. Bundle the four samples collected at each individual sampling location (after the proper paperwork has been banded to each bottle) and secure the four samples together with a single rubber band.
 8. Place each bundle of four samples in the plastic tub.
 9. Collect the remainder of the samples from all designated sites in the pre-determined order as recommended by LARA.

How to Collect an Initial (First Draw) Sample (P1 and P2)

- Wash hands off site prior to sample collection to ensure cross contamination does not take place during the sampling event.
- Complete the Request for Analysis Form accompanying the sample units. For some events this form may have many fields already populated.
- Only use 125 milliliter (ml) Unit 32CC sample containers-labeled for use specifically for lead and copper (CCUB) supplied by the DEQ Drinking Water Laboratory.
- Make sure the 125 ml container is labeled with the same sample location information as that recorded on the Request for Analysis form.
- Record the sample collection location code and any other pertinent identification (i.e. P1, P2) on the label of the 125 ml Unit 32CC sample using a fine point black Sharpie permanent marker.
- Each sample unit should not be uncapped until it is time to collect the water sample.
- Sampling units that have been compromised in any way, e.g., by being touched on the threads or the interior surfaces, must not be used.
- Keep food and drink away from the water sample collection area and its container (sample unit). {10/24/2015 sample team rule: no food or drink during the event}
- Make sure no water has been withdrawn from the tap or water fountain before you collect the sample.
- If a sink faucet is being sampled, ensure only the cold water is allowed to flow.
- If a drinking water bubbler is being sampled, place good effort to first estimate the anticipated path of the water stream, then immediately adjust the sample catch to fill the 125 ml container after the flow begins.
- Remove the cap and place the bottle under the faucet or drinking water fountain that is being tested before water starts flowing from the tap.
- Turn on the water and fill the 125 ml bottle without allowing any water to run down the drain.
- If collecting two consecutive first draw samples (P1, P2), fill the first unit labeled as P1, and then immediately fill the second sample unit labeled as P2 without allowing any water to flow down the drain.
- Turn off water when the 125 ml sample unit has been filled to the neck and immediately secure the cap(s) to the container(s).
- If collecting multiple samples from the same sink faucet or drinking water bubbler (first draw(s), 30 second, 2 minute flushing), using a red Sharpie permanent marker, label the cap with "1" for the first first-draw sample (a.k.a P1), and a number "2" for the second first-draw sample (a.k.a P2). Subsequent samples are labeled on the caps as 3 and 4.
- Fold and then wrap the Request for Analysis form to the corresponding sample unit securing the paper around the unit with a rubber band.

- If multiple samples from the same sink faucet or drinking water bubbler are collected, group all samples from that same sample location with a rubber band.

How to Collect Flush Samples

Before the first flush sample is collected, allow the water to run down the drain for 30 seconds. Then collect a sample using the same protocol as above. Do not turn off the tap or adjust the flow of water between the “flush” and collecting the sample. Mark the cap of the sample unit “3” using a red Sharpie permanent marker.

Before the second flush sample is collected, allow the water to run down the drain for 2 minutes. Then collect a sample using the same protocol as above. Do not turn off the tap or adjust the flow of water between the “flush” and collecting the sample. Mark the cap of the sample unit “4” using a red Sharpie permanent marker.

Group all four samples together with their individual Request for Analysis forms attached using a rubber band and place in the plastic tub for transport back to the DEQ laboratory.

Step 7 – Consecutive/Sequential Samples

Once all 125 ml samples have been obtained, sampling will begin to collect ten consecutive/sequential 1 liter samples at typically three locations. The actual number of locations selected for the consecutive/sequential sampling will vary based on the plumbing assessment.

Depending on the number of sampling taps in the building, select three locations as follows:

1. For a location close to the water main service: choose an outlet that is within 5 taps away from the water main.
2. For a mid-point location: choose an outlet this is within +/- 5 taps in the middle of the longest pipe run. This may or may not be the mid-point of a building or floor.
3. For an endpoint tap: select an outlet that is 2 to 4 taps from the identified end of the plumbing pipe run.

Consecutive/Sequential samples should be labeled as follows:

1. Samples taken at the closest tap to the water main should be labeled using “A” along with the appropriate sample number along with the tap identifier used previously for that location. For example, the first consecutive sample at the closest location to the water main would be “A1” and the sample would be identified as CF-015-A1.
2. Samples taken at the mid-point tap location should be labeled using “B” along with the appropriate sample number along with the tap identifier. For example, the first consecutive sample taken at the mid-point location would be “B1” and the sample would be identified as CF-015-B1.
3. Samples taken at the endpoint tap location should be labeled using “C” along with the appropriate sample number along with the tap identifier. For example,

the first consecutive sample taken at the mid-point location would be "C1" and the sample would be identified as CF-015-C1.

At each sampling location, the procedure to collect ten consecutive/sequential 1 liter samples is as follows. Remember to adjust the numbering protocol (A, B, or C) depending on the sampling location:

1. Assemble 10 1-liter 36CC sampling units labeling with a Sharpie marker on the neck or bottle cap to indicate order of collection (example: A1, A2, A3 A10 for the first set; B1, B2, B3 ... B10 for the second set, etc.).
2. Complete the Request for Analysis form for each bottle using test code 36CC.
3. Begin sampling the first liter bottle similar to a first draw sample.
4. Fill ten 1 liter bottles consecutively without letting the water run down the drain.
5. Wrap each request for water analysis form around the appropriate bottle and use a rubber band to secure it.
6. Place each bottle with their individual Request for Analysis forms attached in the plastic tub for transport back to the DEQ Drinking Water Laboratory.
7. Deliver the sample bottles to the DEQ Drinking Water Laboratory.

Step 8 - Laboratory Performs Analysis

Samples delivered to the DEQ Drinking Water Laboratory will be analyzed in accordance with the Laboratory Services Standard Operating Procedure Document SOP #800 Revision #4 Effective Date 10/2015.

Applicable analytical methods will be in accordance with the Method for Determination of Metals in Environmental Samples, Supplement I, U.S. Environmental Protection Agency, Method 200.8, 1999 Revision 5.5.

All Method Detection Limits shall be performed according to the Code of Federal Regulations, Title 40, Part 136, Appendix B.

Analytical quality control will be in accordance with SOP #800 Revision #4.

Step 9 – Laboratory reports results to DEQ – ODWMA and DHHS staff

From: Krisztian, George (DEQ)
Sent: Friday, December 11, 2015 3:15 PM
To: Sitko, Anthony M; Tawwab, Bilal
Subject: RE: Results for Potter Elementary School
Attachments: Potter Elementary Draft.pdf

My apologies!

Attached is the document.

George

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

PPI

From: Sitko, Anthony M [<mailto:tsitko@flintschools.org>]
Sent: Friday, December 11, 2015 1:08 PM
To: Krisztian, George (DEQ); Tawwab, Bilal
Subject: RE: Results for Potter Elementary School

George,

I did not receive the attachment. Please resend to Mr. Tawwab and myself at your earliest convenience.

Thanking you in advance,
 Tony

Anthony M. Sitko – Director of Shared Services
 Flint Community Schools
 923 E. Kearsley Street
 Flint, MI 48503
 (810) 767-6030
tsitko@flintschools.org

From: Krisztian, George (DEQ) [<mailto:krisztiang@michigan.gov>]
Sent: Friday, December 11, 2015 8:26 AM
To: Tawwab, Bilal; Sitko, Anthony M
Subject: Results for Potter Elementary School

Gentlemen,

Please find attached the results for Potter Elementary School. Please note that this is this is the spreadsheet containing the consolidated results. The final report will be a little while before it is complete, but at least this will give you a feel for what to expect. In general, the results for Potter Elementary have followed the same pattern as the other schools to

date in that all of the issues appear to be primarily relate to fixtures and the plumbing immediately adjacent to the fixtures.

Please let me know if you have any questions.

George

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

PPI

Potter Elementary
2500 North Averill Avenue
Flint, Michigan 48506

Sample ID	Result	Element	Unit	Sample Location	Sample Name
Lead	0.001	Copper	0.00	01EP001-RM27	First Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Second Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Third Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM27	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM27	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM27	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM27	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Tenth Sequential Sample
Lead	0.003	Copper	0.00	01EP001-RM22	First Sequential Sample
Lead	0.003	Copper	0.00	01EP001-RM22	Second Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Third Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Tenth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	First Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Second Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Third Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Tenth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	First Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Second Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Third Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Tenth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	First Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Second Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Third Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Tenth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	First Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Second Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Third Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fourth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Fifth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Sixth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Seventh Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Eighth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Ninth Sequential Sample
Lead	0.000	Copper	0.00	01EP001-RM22	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

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Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
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Potter Elementary
2500 North Averill Avenue
Flint, Michigan 48506

Sample ID	Result	Material	Depth	Sample Location	Sample	Notes
Lead	0.011	Copper	0.00	01BW013 RM 10	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.07	01DW013 RM 10	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.07	01DW016 RM 10	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01BW016 RM 10	P02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.23	01DW016 RM 8	P0	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.00	01DW018 RM 8	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW017 RM 8	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW018 RM 4	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.004	Copper	0.34	01KW025 RM 5	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.58	01KW025 RM 5	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.17	01KW025 RM 5	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.18	01KW025 RM 5	P02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.25	01DW015 RM 10	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.20	01DW018 RM 4	P1	First Primary draw of 125 milliliters
Lead	0.008	Copper	0.07	01DW018 RM 4	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01KW018 RM 4	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.006	Copper	0.14	01DW018 RM 8	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.07	01DW018 RM 8	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.06	01DW018 RM 8	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01DW018 RM 8	P02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01DW017 RM 8	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW017 RM 8	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW017 RM 8	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW018 RM 8	P02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.14	01DW018 RM 8	P01	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.15	01DW018 RM 8	P03	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P04	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P05	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P06	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P07	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P08	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P09	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P10	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P11	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P12	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P13	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P14	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P15	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P16	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P17	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P18	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P19	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P20	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P21	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P22	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P23	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P24	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P25	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P26	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P27	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P28	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P29	Flush Sample taken 30 seconds after Second Primary Draw
Lead	0.005	Copper	0.15	01DW018 RM 8	P30	Flush Sample taken 30 seconds after Second Primary Draw

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

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Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper
1 ppb = 0.001 mg/L

Potter Elementary
2500 North Averill Avenue
Flint, Michigan 48506

ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
Lead	0.008	Copper	0.22	01CF007 RM 15	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.09	01CF007 RM 15	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.07	01CF007 RM 15	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01CF007 RM 15	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.13	01DW009 RM 20	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.06	01DW009 RM 20	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.06	01DW009 RM 20	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.06	01DW009 RM 20	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.18	01KC009 DHHS	P1	First Primary draw of 125 milliliters
Lead	0.003	Copper	0.33	01KC009 DHHS	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.07	01KC009 DHHS	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01KC009 DHHS	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.23	01CF014 RM 9	P1	First Primary draw of 125 milliliters
Lead	0.011	Copper	0.34	01CF014 RM 9	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.20	01CF014 RM 9	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.004	Copper	0.12	01CF013 RM 12	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.06	01CF013 RM 12	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CF013 RM 12	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CF013 RM 12	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.17	01KC008 COMMUNITY RM	P1	First Primary draw of 125 milliliters
Lead	0.009	Copper	0.13	01KC008 COMMUNITY RM	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.09	01KC008 COMMUNITY RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.01	01KC008 COMMUNITY RM	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.010	Copper	0.18	01DW012 RM 12	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.10	01DW012 RM 12	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01DW012 RM 12	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW012 RM 12	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.20	01CF039 RM 39	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.27	01CF039 RM 39	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.08	01CF039 RM 39	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.07	01CF039 RM 39	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.005	Copper	0.19	01DW044- RM 37	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.09	01DW044- RM 37	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.09	01DW044- RM 37	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.08	01DW044- RM 37	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.41	03KC058- UNIT 3	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.61	03KC058- UNIT 3	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.31	03KC058- UNIT 3	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.44	03KC058- UNIT 3	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Potter Elementary
2500 North Averill Avenue
Flint, Michigan 48506

Sample ID	Concentration	Element	Depth	Sample Location	Sample Point	Description
Lead	0.000	Copper	0.00	01BW057 - OUT UNIT 1	-	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.13	02DW057 - OUT UNIT 2	P1	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.14	02DW057 - OUT UNIT 2	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.19	02DW057 - OUT UNIT 2	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.27	01DW057 - OUT UNIT 1	P03	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.28	01DW057 - OUT UNIT 1	P02	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.29	01DW057 - OUT UNIT 1	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.29	01DW057 - OUT UNIT 1	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.30	02KW056 - OUT UNIT 2	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.34	02KW056 - OUT UNIT 2	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.19	02KW056 - OUT UNIT 2	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.14	02KW056 - OUT UNIT 2	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.17	01CW043 - RM 37	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.17	01CW043 - RM 37	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.10	01CW043 - RM 37	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.09	01CW043 - RM 37	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01CW056 - RM 38	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CW056 - RM 38	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CW056 - RM 38	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CW056 - RM 38	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.14	01CW037 - RM 36	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.13	01CW037 - RM 36	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.00	01CW037 - RM 36	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.10	01CW037 - RM 36	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.13	01CW036 - RM 35	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CW036 - RM 35	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CW036 - RM 35	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CW036 - RM 35	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01CW041 - RM 35	P1	First Primary draw of 125 milliliters
Lead	0.001	Copper	0.00	01CW041 - RM 35	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CW041 - RM 35	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CW041 - RM 35	P02	Flush sample taken 2 minutes after First Flush Sample
Lead	0.000	Copper	0.00	01CW041 - RM 35	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CW041 - RM 35	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01CW041 - RM 35	P01	Flush sample taken 30 seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01CW041 - RM 35	P02	Flush sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Potter Elementary
2500 North Averill Avenue
Flint, Michigan 48506

ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
Lead	0.005	Copper	0.18	01CF045 - RM 34	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.23	01CF045 - RM 34	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.10	01CF045 - RM 34	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01CF045 - RM 34	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.07	01DW046 - RM 34	P1	First Primary draw of 125 milliliters
Lead	0.000	Copper	0.07	01DW046 - RM 34	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.06	01DW046 - RM 34	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.06	01DW046 - RM 34	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.006	Copper	0.33	01CF050 - RM 33	P1	First Primary draw of 125 milliliters
Lead	0.005	Copper	0.15	01CF050 - RM 33	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.13	01CF050 - RM 33	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.003	Copper	0.11	01CF050 - RM 33	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.007	Copper	0.39	01DW049 - RM 33	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.42	01DW049 - RM 33	P2	Second Primary draw of 125 milliliters
Lead	0.003	Copper	0.17	01DW049 - RM 33	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.004	Copper	0.13	01DW049 - RM 33	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.042	Copper	0.22	01DW048 - RM 35	P1	First Primary draw of 125 milliliters
Lead	0.010	Copper	0.15	01DW048 - RM 35	P2	Second Primary draw of 125 milliliters
Lead	0.009	Copper	0.15	01DW048 - RM 35	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.006	Copper	0.13	01DW048 - RM 35	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.002	Copper	0.73	01WC051 - HALLWAY ACROSS RM 31	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.74	01WC051 - HALLWAY ACROSS RM 31	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.66	01WC051 - HALLWAY ACROSS RM 31	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.31	01WC051 - HALLWAY ACROSS RM 31	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.003	Copper	0.89	01WC054 - S END EAST WING	P1	First Primary draw of 125 milliliters
Lead	0.004	Copper	0.90	01WC054 - S END EAST WING	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.61	01WC054 - S END EAST WING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.47	01WC054 - S END EAST WING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.004	Copper	0.31	01DW053 - RM 31	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.39	01DW053 - RM 31	P2	Second Primary draw of 125 milliliters
Lead	0.001	Copper	0.36	01DW053 - RM 31	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.002	Copper	0.21	01DW053 - RM 31	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.008	Copper	0.87	01WC055 - SOUTHEND EAST WING	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.83	01WC055 - SOUTHEND EAST WING	P2	Second Primary draw of 125 milliliters
Lead	0.004	Copper	0.52	01WC055 - SOUTHEND EAST WING	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.29	01WC055 - SOUTHEND EAST WING	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.14	01DW002 - RM 22	P1	First Primary draw of 125 milliliters
Lead	0.002	Copper	0.05	01DW002 - RM 22	P2	Second Primary draw of 125 milliliters
Lead	0.000	Copper	0.00	01DW002 - RM 22	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.000	Copper	0.00	01DW002 - RM 22	F02	Flush Sample taken 2 minutes after First Flush Sample
Lead	0.011	Copper	0.48	01CF052 - RM 31	P1	First Primary draw of 125 milliliters
Lead	0.007	Copper	0.67	01CF052 - RM 31	P2	Second Primary draw of 125 milliliters
Lead	0.002	Copper	0.49	01CF052 - RM 31	F01	Flush Sample taken 30 Seconds after Second Primary Draw
Lead	0.001	Copper	0.42	01CF052 - RM 31	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

From: Krisztian, George (DEQ)
Sent: Saturday, December 12, 2015 3:32 PM
To: Smith, Carol (DEQ)
Subject: Re: Article on Flint

I sent a note to the city administrator and she indicated that PSI would be using a certified lab. She will forward the name of the lab next week.

Sent from my iPhone

On Dec 11, 2015, at 12:22 PM, Smith, Carol (DEQ) <SMITHC@michigan.gov> wrote:

George

http://www.mlive.com/news/flint/index.ssf/2015/12/flint_will_pay_for_independent.html#incart_river_index

This article says the city hired Professional Services Industries, inc to test water in Flint homes for lead. The article says "Professional Service Industries Inc. will also test water samples from Flint in its own labs, which are certified by the state and federal governments."
I had Lisa look and this company is NOT listed on the drinking water certified lab list.

Carol Smith
MDEQ Laboratory
Organic Unit Manager
517-335-9550
smithc@mi.gov

From: Krisztian, George (DEQ)
Sent: Monday, December 14, 2015 12:35 PM
To: Thelen, Mary Beth (DEQ)
Subject: Responses to follow up questions from last week's interview
Attachments: Questions.docx; Resident_Sampling_Instructions-12-11-2015_508290_7.pdf
Importance: High

Hi Mary Beth, I will get with you momentarily to discuss this.

Thank you
George

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

PPI

Dear Mr. Wyant,

Thank you again, for sitting down with us for an interview regarding the water crisis in Flint.

I have a couple of quick questions to clarify if you can please help answer these today:

1 – What is the current method that the state is using to test the water in Flint?

How, specifically, is it different (or the same as) the testing that occurred prior to the public recognition of a lead risk in the water?

Does pre-flushing occur now?

Is the state using wide-mouthed bottles or narrow bottles?

Is the water sampled at a slow rate as it is coming from the faucet?

It is important to note that the protocol that the DEQ utilizes for assessing corrosion control is compliant with the Lead and Copper Rule. The lead and copper rule does not include requirements with respect to issues such as bottle mouth size, flow rate and other such issues.

We have recently revised the sampling instructions and submitted them to the EPA for review. EPA has since reviewed the instructions and has indicated that they agree with the revised instructions. A copy of these instructions is attached for your convenience.

We understand that there has been some discussion regarding flow rates and other related sampling issues and we will be evaluating these factors in a scientific manner to determine what, if any, affect these variables have. We believe that an open peer review investigation of these issues with samples analyzed by a lab certified under the auspices of the Safe Drinking Water Act is the best way for everyone to benefit. There are many partners involved in this issue and we want to ensure that the voices of all affected parties are represented.

Finally it is important to understand that corrosion control evaluations and sampling for health exposure assessments are not the same thing. The protocols that have been developed for the testing of the schools and for home exposure investigations are very extensive. These protocols utilize many samples at one location and are specifically designed to evaluate sources of lead within that school or home. These sources may include lead service lines, lead solder, brass fixtures that contain lead and other potential sources.

-2 –When you admitted a mistake in the “proper protocol,” in October, were you referencing more than one specific protocol, or just the lack of corrosion control?

The mistakes that were made were primarily with respect to the tone that was used initially in our responses. EPA has stated that there are ambiguities in the lead and copper rule and that the rule was open to interpretation. Both the sampling and corrosion control evaluation process were acceptable under the lead and copper rule.

We are currently focused on moving forward. We have developed a plan for moving forward and we are well on our way. We look forward to working with all of our partners so that the faith of the residents of Flint can be restored.

Hi Mr. Wyant,

In addition to the last email I sent, I wanted to clarify one more comment you made to make sure I clearly understand to which "protocol" you were referring.

In our interview, you said the following, "Simply said, the protocol that we were using - I do not believe it is protective of public health and therefore more needs to be done in our testing protocol to ensure that we're identifying risk. We're addressing lead exposure and we are dealing with the issue proactively. Flint deserves safe drinking water."

Are you referring to the method by which the state was testing for lead in the water when you use the word protocol in this statement?

What was meant by this statement is that the Lead and Copper rule, as written, was designed to assess the effectiveness of corrosion control measures utilized by a water supply. It was not designed to determine individual health exposure risks.

As a result the DEQ has become very proactive in engaging all of our partners to address health exposure concerns. The testing that is currently being done in the Flint Schools is very rigorous and goes well beyond any regulatory requirements. We typically take approximately 200-300 samples at each school in a single sampling event. We are evaluating the water mains, the piping throughout the building as well as the components used such as the solder and fixtures. The good news is that the testing so far indicates that the issues in the schools are predominantly fixture related and they are not deep in the plumbing, so the fixes are going to be relatively straight forward.

Once we have completed our evaluation we will use what we have learned to create guidance for all of the schools in the State of Michigan. In addition we will share our information with EPA and we will partner with them to develop protocols that go beyond corrosion control and focus on health exposure.

DRINKING WATER LEAD AND COPPER SAMPLING INSTRUCTIONS

Dear Resident:

Thank you for helping to monitor for lead and copper in your drinking water. This sampling is required by the federal and state Safe Drinking Water Acts, and is being accomplished with the cooperation of homeowners, residents, and water system customers.

It is important that you follow these instructions so we obtain an accurate measurement of the lead and copper in your drinking water. This sample should represent the water you would typically drink and the faucet from where you drink the water. Select a faucet for sampling that was used the day before you intend to sample. Call your water supply if you have questions.

1. Water must sit idle in the pipes for an extended length of time before sampling. Therefore, do not use any water in the house for at least 6 hours before sampling. The best times to sample are early morning or after returning from work.
2. Select an unfiltered/untreated faucet in the **KITCHEN** or **BATHROOM** that is commonly used for drinking. **DO NOT** sample from a laundry sink or a hose spigot as these samples cannot be used for compliance. **DO NOT** use a faucet that has a filter attached to it unless you bypass the filter. **DO NOT** use a faucet that is connected to a home water treatment device (like a water softener, iron filter, reverse osmosis) unless you bypass the home water treatment device.
3. Place the open sample bottle below the faucet and gently open the **COLD** water tap. If you have a single handle faucet, turn it fully to the **COLD** side. Fill the sample bottle to the neck with the "first draw" of **COLD** water.
4. Tightly cap the sample bottle and place in the sample kit provided. Review the sample kit label to ensure all information contained on the label is complete and correct.
5. Answer the questions on the back of this form and sign the form.
6. Attach this form to the bottle and leave it outside your front door for pick-up.
7. Thank you again for your help. We will send you your individual results within 30 days of receiving them from the laboratory. A summary of information on this year's lead and copper monitoring will be printed in the annual water quality report that will be made available by July 1 of next year. Contact your water supply if you have questions.

If you have questions call:

Water Supply: _____

Manager or

Water Operator: _____

Phone: _____

Or Contact:

Michigan Department of Environmental Quality

DEQ Contact: _____

Phone: _____

TO BE COMPLETED BY RESIDENT/CUSTOMER

A. Which faucet did you use to fill the bottle?

☐ Kitchen ☐ Main bathroom ☐ Other

If OTHER, please describe: _____

B. When was the faucet last used before sampling?

Date _____ TIME _____ AM/PM

Note: If the faucet has been idle more than 24 hours, we might not analyze your sample or be able to use your sample for compliance purposes.

C. When did you fill the bottle?

DATE _____ TIME _____ AM/PM

D. Is there a faucet mount filter? ☐ YES ☐ NO

If YES, was it bypassed? ☐ YES ☐ NO

E. Is this faucet connected to a home treatment device such as a water softener, a reverse osmosis unit, an iron removal device OR is any kind of additive used in the home? ☐ YES ☐ NO

If YES, please describe: _____

Note: If you have a home treatment device OR any kind of additive is used, it is possible we might not analyze your sample or be able to use your sample for compliance purposes.

F. If any plumbing repairs or replacement has been done in the home since the previous sampling event, please note this information here:

If YES, please describe: _____

I have read the Drinking Water Lead and Copper Sampling Instructions and have taken a tap sample in accordance with these directions.

Signature _____

From: Krisztian, George (DEQ)
Sent: Monday, December 14, 2015 12:39 PM
To: Thelen, Mary Beth (DEQ)
Subject: FW: FOLLOW UP QUEST

Importance: High

Hi Mary Beth,

Here is one of the two e-mails that contain follow up questions from last week's interview.

George

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

From: Wyant, Dan (DEQ)
Sent: Friday, December 11, 2015 12:49 PM
To: Wurfel, Brad (DEQ)
Cc: Krisztian, George (DEQ)
Subject: Re: FOLLOW UP QUEST

I agree.

Sent from my iPhone

On Dec 11, 2015, at 11:21 AM, Wurfel, Brad (DEQ) <wurfelb@michigan.gov> wrote:

Director, if any of use respond, I suggest probably best George.

b

Brad Wurfel

Communications Director,

Michigan Department of Environmental Quality

wurfelb@michigan.gov

PPI (cell)

From: Lori Gliha [<mailto:Lori.Gliha@ahazeera.net>]
Sent: Friday, December 11, 2015 11:36 AM
To: Wyant, Dan (DEQ)
Cc: Wurfel, Brad (DEQ); Sameen Amin
Subject: FOLLOW UP QUEST

Dear Mr. Wyant,

Thank you again, for sitting down with us for an interview regarding the water crisis in Flint.

I have a couple of quick questions to clarify if you can please help answer these today:

1 – What is the current method that the state is using to test the water in Flint?

How, specifically, is it different (or the same as) the testing that occurred prior to the public recognition of a lead risk in the water?

Does pre-flushing occur now?

Is the state using wide-mouthed bottles or narrow bottles?

Is the water sampled at a slow rate as it is coming from the faucet?

2 – When you admitted a mistake in the “proper protocol,” in October, were you referencing more than one specific protocol, or just the lack of corrosion control?

Thank you!

Sincerely,
Lori Jane Gliha
America Tonight
Al Jazeera America
(202) 997-1382

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From: Krisztian, George (DEQ)
Sent: Monday, December 14, 2015 12:41 PM
To: Thelen, Mary Beth (DEQ)
Subject: FW: one additional question...

Importance: High

Hi Mary Beth,

Here is the other e-mail containing a follow up question for last week's interview.

George

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

From: Wyant, Dan (DEQ)
Sent: Sunday, December 13, 2015 8:41 AM
To: Wurfel, Brad (DEQ); Krisztian, George (DEQ)
Subject: Fwd: one additional question...

Let's discuss how to respond to the two emails from Lori on Monday.

Sent from my iPhone

Begin forwarded message:

From: Lori Gliha <Lori.Gliha@aljazeera.net>
Date: December 11, 2015 at 10:52:44 AM CST
To: "WYANTD@MICHIGAN.GOV" <WYANTD@MICHIGAN.GOV>
Cc: "Wurfel, Brad (DEQ)" <WurfelB@michigan.gov>, Sameen Amin <sameen.amin@aljazeera.net>
Subject: one additional question...

Hi Mr. Wyant,

In addition to the last email I sent, I wanted to clarify one more comment you made to make sure I clearly understand to which "protocol" you were referring.

In our interview, you said the following, "Simply said, the protocol that we were using - I do not believe it is protective of public health and therefore more needs to be done in our testing protocol to ensure that we're identifying risk. We're addressing lead exposure and we are dealing with the issue proactively. Flint deserves safe drinking water."

Are you referring to the method by which the state was testing for lead in the water when you use the word protocol in this statement?

Thank you for your help with these three questions.
Our story is scheduled to air December 16, at 9:30pm.

Sincerely,

Lori Jane Gliha
America Tonight
Al Jazeera America
(202) 997-1382

Notice: This email and any files transmitted with it are intended only for the use of the individuals or entities to whom they are addressed and may contain information that is confidential and privileged. If you have received this email in error, please notify the sender as soon as possible and delete this email from your system. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this email is strictly prohibited. Opinions, conclusions and other information in this message that do not relate to the official business of Al Jazeera shall be understood as neither given nor endorsed by Al Jazeera.

From: Krisztian, George (DEQ)
Sent: Monday, December 14, 2015 2:47 PM
To: Shaler, Karen (DEQ)
Cc: Thelen, Mary Beth (DEQ)
Subject: Weekly Governor's Report
Attachments: 2015-12-14 Flint Drinking Water Action Plan Update.docx;
Resident_Sampling_Instructions-12-11-2015_508290_7.pdf

Importance: High

Hi Karen,

Attached is the weekly Governor's report along with the attachment referenced in the report.

Mary Beth,

There are a couple of potentially sensitive issues in this report. Please have the Director review for his approval.

Thank you!

George

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

Flint Drinking Water Action Plan Update

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Key Actions:

On Wednesday December 9, 2015, DEQ staff held a conference call with staff from the City of Flint and the EPA to discuss DEQ's comments regarding EPA's preliminary assessment of corrosion control optimization for the city of Flint. The preliminary assessment was to identify and document activities necessary to enable the EPA and the DEQ to provide advice and support the city in maintaining optimal corrosion control while maintaining their source of water from Detroit as well as during and after the upcoming transition to the KWA pipeline. During the discussion it was agreed that the document needed to be broken down into two separate documents. The first document would identify the absolute needs necessary for Flint to transition to the KWA for their source water. The second document would outline actions that the city could take moving forward that would provide useful scientific information but would not impede the transition to KWA.

On December 11, 2015 staff from the DEQ, EPA and the City of Flint along with their contractors (LAN) met to discuss the various projects that needed to be completed in order for the city to switch its water source to the KWA. The main topic of discussion was how to balance the overarching concern of ensuring that the transition did not create safety issues while at the same time taking precautions to ensure that the project did not run overtime or over budget. There were a number of proposals made during the discussion and LAN will meet with EPA on Tuesday December 15, 2015 to discuss the various options in more detail.

On December 11 and 12, 2015, staff from the DEQ and DLARA conducted a plumbing evaluation and subsequent sampling of the fixtures used for drinking water consumption at the school administration building and Holmes STEM Academy in Flint. There were a total number of 74 samples taken at 12 different locations throughout the administration building and 222 samples taken at 43 different locations throughout the school. There were 296 samples taken in total at the two facilities.

Positions:

There are no new positions to report since last week.

Concerns:

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Flint Drinking Water Action Plan Update

Page 2

During the meeting of December 11, 2015 between the DEQ, EPA, the city of Flint and its contractor LAN, the EPA proposed that the city of Flint run a 12 inch line in addition to the existing main which would enable the city of Flint to conduct in depth studies for switching to KWA. The cost of this line would be approximately 4 million dollars and currently there is no funding source identified that could cover this expense. The city expressed concerns that it was being asked to cover expenses for measures that other supplies would not be expected to implement. The city's contractor LAN will meet with EPA to discuss other options.

Significant Events:

On Tuesday, 12/8/15, DTMB confirmed that the e-mail sent from Liane Shekter Smith on August 25, 2015 to Ms. LeAnne Walters was successfully delivered to the gmail.com system at the e-mail address provided by Ms. Walters. DTMB was asked to provide this information based on an accusation that the DEQ never responded to an inquiry and then when a copy of the original e-mail was provided an accusation was made with respect to the authenticity of the e-mail.

Changes from Previous Report:

- DHHS incorporated comments from DEQ regarding a phosphate fact sheet being designed for public education purposes. DHHS then finalized the fact sheets utilizing the suggestions provided by DEQ.
- Instructions for lead and copper sampling were finalized based on comments received from EPA. Final draft was shared with the City of Flint personnel on Friday, 12/11/15 for use in their next round of lead and copper compliance monitoring. WORD and pdf versions were posted on the DEQ website on 12/14/15 and replaced previous version of the instructions.
- The City of Flint has hired an outside consultant to identify 150 tier 1 sites for a sampling pool for use in compliance with the lead and copper rule. This effort is being taken to ensure that future sampling events include verified and documented tier 1 sampling sites to ensure compliance with the lead and copper rule.

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Flint Drinking Water Action Plan Update

Page 3

- DEQ staff visited Control Station #2 to observe the operation of the phosphate feed system. The inspection of the phosphate feed system confirmed that the system is in operation and the system is dosing at 2.5 mg/l as PO₄. A couple of minor provisions had not been completed at the time of the inspection but do not currently affect the operation of the supplemental addition of phosphate to the water.
- DEQ staff modified the ACT 399 construction permit for the Flint raw water transmission line. The modification was needed to allow for re-routing of the transmission main due to poor soil conditions that were encountered along the original route.

Other Item:

Attached is the revised sampling instruction form.

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719
Cell: PPI
December 14, 2015

DRINKING WATER LEAD AND COPPER SAMPLING INSTRUCTIONS

Dear Resident:

Thank you for helping to monitor for lead and copper in your drinking water. This sampling is required by the federal and state Safe Drinking Water Acts, and is being accomplished with the cooperation of homeowners, residents, and water system customers.

It is important that you follow these instructions so we obtain an accurate measurement of the lead and copper in your drinking water. This sample should represent the water you would typically drink and the faucet from where you drink the water. Select a faucet for sampling that was used the day before you intend to sample. Call your water supply if you have questions.

1. Water must sit idle in the pipes for an extended length of time before sampling. Therefore, do not use any water in the house for at least 6 hours before sampling. The best times to sample are early morning or after returning from work.
2. Select an unfiltered/untreated faucet in the **KITCHEN** or **BATHROOM** that is commonly used for drinking. **DO NOT** sample from a laundry sink or a hose spigot as these samples cannot be used for compliance. **DO NOT** use a faucet that has a filter attached to it unless you bypass the filter. **DO NOT** use a faucet that is connected to a home water treatment device (like a water softener, iron filter, reverse osmosis) unless you bypass the home water treatment device.
3. Place the open sample bottle below the faucet and gently open the **COLD** water tap. If you have a single handle faucet, turn it fully to the **COLD** side. Fill the sample bottle to the neck with the "first draw" of **COLD** water.
4. Tightly cap the sample bottle and place in the sample kit provided. Review the sample kit label to ensure all information contained on the label is complete and correct.
5. Answer the questions on the back of this form and sign the form.
6. Attach this form to the bottle and leave it outside your front door for pick-up.
7. Thank you again for your help. We will send you your individual results within 30 days of receiving them from the laboratory. A summary of information on this year's lead and copper monitoring will be printed in the annual water quality report that will be made available by July 1 of next year. Contact your water supply if you have questions.

If you have questions call:
Water Supply: _____

Manager or
Water Operator: _____

Phone: _____

Or Contact:
Michigan Department of Environmental Quality

DEQ Contact: _____

Phone: _____

TO BE COMPLETED BY RESIDENT/CUSTOMER

A. Which faucet did you use to fill the bottle?

☐ Kitchen ☐ Main bathroom ☐ Other

If OTHER, please describe: _____

B. When was the faucet last used before sampling?

Date _____ TIME _____ AM/PM

Note: If the faucet has been idle more than 24 hours, we might not analyze your sample or be able to use your sample for compliance purposes.

C. When did you fill the bottle?

DATE _____ TIME _____ AM/PM

D. Is there a faucet mount filter? ☐ YES ☐ NO

If YES, was it bypassed? ☐ YES ☐ NO

E. Is this faucet connected to a home treatment device such as a water softener, a reverse osmosis unit, an iron removal device OR is any kind of additive used in the home? ☐ YES ☐ NO

If YES, please describe: _____

Note: If you have a home treatment device OR any kind of additive is used, it is possible we might not analyze your sample or be able to use your sample for compliance purposes.

F. If any plumbing repairs or replacement has been done in the home since the previous sampling event, please note this information here:

If YES, please describe: _____

I have read the Drinking Water Lead and Copper Sampling Instructions and have taken a tap sample in accordance with these directions.

Signature _____

From: Krisztian, George (DEQ)
Sent: Monday, December 14, 2015 2:52 PM
To: Copen, Leigh (DEQ)
Cc: Anderson, Madhu (DEQ); Shaler, Karen (DEQ)
Subject: Requested items
Attachments: 18 Point Partnering Plan.docx; Taking Action on Flint Water.pdf

Hi Leigh,

Attached are the requested items. The Governor's report is being finalized and will be posted to the shared drive shortly. You can check with Karen to find out when it is posted.

Thank you!
George

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

DEQ's 18 Point Partnering Plan

1. After Action Plan (FAQ) will be ready by noon November 16, 2015

- First version complete – updated as needed

2. School Test Data

- School reports to be expedited
- Steve Busch creates summary reports
- George Krisztian creates summary spreadsheet

3. Blood exposure

- DHHS is lead on providing data

4. Meeting with Mayor Karen Weaver

- Harvey Hollins lead – Dan Wyant, Jim Sygo and George Krisztian to attend

5. Messaging our Partnering Plan

- Provide ongoing public updates regarding Governor's 10 point plan
- Continue emphasis on the availability of free testing for Flint residents
- OEA to direct the Public to the "Flintwater" website

6. Sampling Protocol

- Establish alignment with EPA Region 5 on sampling protocol

7. Lead service line replacement

- Expand RLF directed at lead service line replacement
- Amy Epkey, Maggie Pallone and Sonya Butler

8. Partner with EPA

- Jim Sygo → Bob Kaplan
- Dan Wyant → Susan Hedman
- Mike Prysby and Steve Busch → Darren Lytle and Mike Schock
- George Krisztian → Tom Burke
- ODWMA Staff → EPA Region 5 Staff (Jennifer Crooks and Tom Poy)

9. Meet with Mott Foundation to discuss Lead Service Line Identification Study

10. Lead Education Program

- DHHS is the lead on Lead Education Program

11. Moving KWA forward

- Proactive meetings with KWA

12. Participate actively with Technical Advisory Council**13. Utilize Joan Rose and MSU water expertise****14. Public Outreach**

- Mayor Karen Weaver
- Genesee County Health Department
- Drs. Lawrence Reynolds, Eden Wells and Matthew Davis
- Ministers
- Land Bank
- Legislators
- Citizens

15. Outreach to schools

- EPA guidance on testing
- Work with state superintendent
- ODWMA Staff to work on Literature

16. Make recommendations to EPA about LCR**17. Compliance Communication letter sent November 9, 2015**

- Wait until after Dec 30th

18. Enhance Coordination with Health Officials regarding personal health notifications of drinking water issues.



- The Action Plan -

- Immediately test all Flint public schools to ensure that **drinking water is safe**. Testing will also be available at no cost to any other school in Flint.
- **Expand health exposure testing** of individual residences.
- **Offer water testing** at no cost to Flint residents to assure water is safe.
- **Expedite optimizing corrosion controls** in the Flint drinking water system.
- **Assemble the "Safe Drinking Water Technical Advisory Committee"** to ensure the best technology, practices and science are being utilized, and add an expert from the EPA's Office of Research and Development to the group.
- **Accelerate water system improvements** to address replacement of lead service lines.
- Expedite completion of **Karegnondi Water Authority**.
- Gov. Rick Snyder names Dr. Eden Wells as the Flint Drinking Water Public Health Advisor to ensure safe drinking water.
- **Provide water filters** to residents of Flint.
- Expand a comprehensive lead education initiative.

To get your water tested for free, please call the city of Flint Water Plant at (810) 787-6537 and then press 1

Visit www.mi.gov/FlintWater for more information

From: Krisztian, George (DEQ)
Sent: Wednesday, December 16, 2015 8:37 AM
To: Thelen, Mary Beth (DEQ)
Subject: FW: Requested items
Attachments: 18-Point Partnering Plan 11-23-15.pdf

Importance: High

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

From: Shaler, Karen (DEQ)
Sent: Monday, December 14, 2015 6:23 PM
To: Copen, Leigh (DEQ)
Cc: Anderson, Madhu (DEQ); Krisztian, George (DEQ)
Subject: RE: Requested items

Actually, attached is the proofed version of the 18-Point Partnering Plan.

From: Krisztian, George (DEQ)
Sent: Monday, December 14, 2015 2:52 PM
To: Copen, Leigh (DEQ)
Cc: Anderson, Madhu (DEQ); Shaler, Karen (DEQ)
Subject: Requested items

Hi Leigh,

Attached are the requested items. The Governor's report is being finalized and will be posted to the shared drive shortly. You can check with Karen to find out when it is posted.

Thank you!
 George

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

Department of Environmental Quality 18-Point Partnering Plan

1. After Action Plan Frequently Asked Questions will be ready by noon on November 16, 2015

- First version complete – updated as needed

2. School test data

- School reports to be expedited
- Steve Busch creates summary reports
- George Krisztian creates summary spreadsheets

3. Blood exposure

- DHHS is lead on providing data

4. Meeting with Mayor Karen Weaver

- Harvey Hollins lead – Dan Wyant, Jim Sygo, and George Krisztian to attend

5. Messaging our Partnering Plan

- Provide ongoing public updates regarding Governor's 10-point plan
- Continue emphasis on the availability of free testing for Flint residents
- DEQ's Office of Environmental Assistance to direct the public to the Flint water Web site: www.mi.gov/flintwater

6. Sampling Protocol

- Establish alignment with the U.S. Environmental Protection Agency (EPA), Region 5, on sampling protocol

7. Lead service line replacement

- Expand the Revolving Loan Fund directed at lead service line replacement
- Amy Epkey, Maggie Pallone, and Sonya Butler

DEQ 18-Point Partnering Plan
Page 2

8. Partner with EPA

- Dan Wyant → Susan Hedman
- Jim Sygo → Bob Kaplan
- Mike Prysby and Steve Busch → Darren Lytle and Mike Schock
- George Krisztian → Tom Burke
- DEQ's Office of Drinking Water and Municipal Assistance (ODWMA) staff → EPA, Region 5, staff (Jennifer Crooks and Tom Poy)

9. Meet with Charles Stewart Mott Foundation to discuss Lead Service Line Identification Study

10. Lead Education Program

- DHHS is the lead on Lead Education Program

11. Moving Karegnondi Water Authority (KWA) forward

- Proactive meetings with KWA

12. Participate actively with Flint Technical Advisory Council

13. Utilize Joan Rose and Michigan State University water expertise

14. Public outreach

- Flint Mayor Karen Weaver
- Genesee County Health Department
- Drs. Lawrence Reynolds, Eden Wells, and Matthew Davis
- Ministers
- Land Bank
- Legislators
- Citizens

15. Outreach to schools

- EPA guidance on testing
- Work with State Superintendent Brian Whiston
- ODWMA staff to work on literature

16. Make recommendations to EPA about Lead and Copper Rule

17. Compliance Communication letter sent on November 9, 2015

- Wait until after December 30, 2015

DEQ 18-Point Partnering Plan
Page 3

- 18. Enhance coordination with health officials regarding personal health notifications of drinking water issues**

From: Krisztian, George (DEQ)
Sent: Wednesday, December 16, 2015 3:12 PM
To: Sygo, Jim (DEQ)
Subject: Per your request
Attachments: EDWARDS Flint-Samples-FINAL.xlsx

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

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1	Zip Code	Ward	Pb Bottle 1 (ppb) - First Draw	Pb Bottle 2 (ppb) - 45 secs flushing	Pb Bottle 3 (ppb) - 2 mins flushing	Notes
2	48504	6	0.344	0.226	0.145	
3	48507	9	8.133	10.77	2.761	
4	48504	1	1.111	0.11	0.123	
5	48507	8	8.007	7.446	3.384	
6	48505	3	1.951	0.048	0.035	
7	48507	9	7.2	1.4	0.2	
8	48507	9	40.63	9.726	6.132	
9	48503	5	1.1	2.5	0.1	
10	48507	9	10.6	1.038	1.294	
11	48505	3	6.2	4.2	2.3	
12	48507	9	4.358	0.822	0.147	
13	48505	5	24.37	8.796	4.347	
14	48505	2	6.609	5.752	1.433	
15	48503	7	4.062	1.099	1.085	
16	48507	9	2.484	0.72	0.565	
17	48507	9	0.438	1.046	0.511	
18	48503	5	1.29	0.243	0.225	
19	48504	6	0.548	0.622	0.361	
20	48504	2	3.131	0.674	0.683	
21	48504	6	120	239.7	29.71	
22	48505	1	2.911	0.406	0.237	
23	48505	5	16.52	10.26	2.762	
24	48505	1	1.984	1.13	0.712	
25	48503	7	5.367	2.474	1.616	
26	48504	2	5.5	8.4	2.4	
27	48506	4	0.639	0.223	0.194	
28	48503	7	6.087	28.87	2.13	*house sampled twice
29	48503	7	10.32	13.47	18.19	*house sampled twice
30	48503	6	66.88	2.662	2.082	
31	48505	1	20.41	3.543	2.344	
32	48504	6	109.6	80.47	94.52	
33	48503	8	5.06	3.406	4.088	
34	48504	2	2.774	0.21	0.264	
35	48505	3	4.453	3.679	3.523	
36	48505	1	0.4	0.3	0.7	
37	48529	9	0.974	0.142	0.118	
38	48505	5	3.228	2.534	2.222	
39	48505	2	12.55	4.132	0.12	
40	48505	3	0.501	0.156	15.14	
41	48504	2	2.448	0.373	0.288	
42	48505	3	5.508	5.157	2.621	

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43	48504	6	1.293	0.441	0.281	
44	48505	1	4.699	1.395	0.329	
45	48504	6	6.093	2.682	1.458	
46	48504	2	0.8	0.8	0.5	
47	48503	5	1.626	1.332	0.327	
48	48507	8	2.576	2.852	1.48	
49	48504	1	2.362	0.467	0.339	
50	48503	5	1.585	0.494	1.232	
51	48506	4	3.058	1.808	1.169	
52	48506	4	2.423	0.393	0.373	
53	48503	8	30.91	42.58	44.6	
54	48503	8	4.47	3.649	1	
55	48505	1	2.172	1.76	1.44	
56	48505	3	1.8	0.5	0.2	
57	48503	5	0.965	0.166	0.319	
58	48505	1	7.636	5.206	9.239	
59	48506	3	3.158	1.948	2.802	
60	48503	7	105.3	12.84	4.534	
61	48506	3	4.476	0.355	0.334	
62	48504	1	2.828	6.694	20.99	
63	48503	5	2.481	3.86	24.64	
64	48507	5	11.52	0.288	0.215	
65	48507	8	3.784	0.292	0.258	
66	48503	5	1.344	0.729	1.226	
67	48504	6	11.93	9.645	3.514	
68	48507	9	10.96	7.744	4.16	
69	48504	6	3.341	0.555	0.917	
70	48503	5	1.229	1.192	0.218	
71	48503	6	6.3	1.1	0.3	*house sampled twice
72	48503	6	5.153	0.385	0.322	*house sampled twice
73	48504	6	6.054	0.927	0.676	
74	48504	2	31.14	4.73	3.188	
75	48504	6	102.7	9.894	3.133	
76	48504	2	1.38	3.734	0.524	
77	48505	3	1.132	2.17	0.465	
78	48507	9	3.232	2.989	1.927	
79	48532	8	0.507	2.315	0.231	
80	48506	4	8.561	5.141	4.724	
81	48505	3	9.997	0.983	0.611	
82	48504	1	4.152	0.758	0.433	
83	48504	2	75.82	11.65	3.942	
84	48506	4	138.8	2.745	0.797	
85	48507	9	0.8	0.2	0.2	

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86	48504	2	7.244	1051	1.328	
87	48506	3	1.621	0.3	0.238	
88	48505	1	1.032	0.363	0.216	
89	48504	2	0.866	0.292	0.269	
90	48504	2	2.525	0.59	0.438	
91	48505	5	9.408	4.444	3.935	
92	48505	0	0.739	4.883	0.953	
93	48505	1	0.9	0.2	0.1	
94	48504	2	1.403	0.142	0.121	
95	48503	8	5.655	5.882	10.66	
96	48505	2	31.06	8.578	3.176	
97	48506	4	1.469	0.291	0.25	
98	48505	1	23.85	2.301	1.62	
99	48505	2	9.766	11.13	7.144	
100	48505	1	4.69	0.953	0.929	
101	48505	3	4.066	5.894	4.76	
102	48505	1	0.846	0.455	0.366	
103	48505	1	2.054	3.978	0.355	
104	48506	7	3.744	5.592	2.476	
105	48507	9	12.9	2.202	1.667	
106	48505	1	0.543	0.183	0.162	
107	48503	7	6.877	2.984	2.201	
108	48505	1	0.552	0.19	0.205	
109	48506	3	59	2.9	0.5	
110	48506	4	0.349	0.13	0.131	
111	48506	4	4.764	1.388	1.06	
112	48506	4	0.832	0.284	0.214	
113	48506	4	1.224	0.568	0.465	
114	48507	9	15.9	3.7	2.2	
115	48506	4	5.667	1.405	0.896	
116	48506	4	3.564	2.767	2.127	
117	48506	4	0.475	0.2	0.268	
118	48507	9	5.3	0.5	0.2	
119	48506	4	1.166	0.736	0.269	
120	48506	4	0.684	0.306	0.094	
121	48503	8	6.347	1.724	0.678	
122	48507	9	10.56	5.672	4.813	
123	48502	5	2.273	2.808	3.048	
124	48505	1	1.571	1.265	0.316	
125	48503	8	5.402	4.196	1.945	
126	48504	6	43.19	7.688	4.39	
127	48503	8	1.492	1.409	0.378	
128	48503	5	66.24	17.75	8.815	

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129	48505	1	1.799	0.032	0.031	
130	48503	8	1.861	1.355	0.64	
131	48503	8	2.672	2.001	1.094	
132	48505	1	3.741	1.211	0.258	
133	48506	4	1.934	0.374	0.424	
134	48506	4	27.05	0.902	0.61	
135	48506	4	1.174	0.291	4.055	
136	48507	9	2.325	1.099	0.466	
137	48506	4	1.966	0.253	0.201	
138	48506	4	1.959	0.438	0.448	
139	48506	4	0.823	1.881	0.412	
140	48506	4	11.2	7.553	12.21	
141	48504	2	5.668	3.341	3.268	
142	48506	4	6.261	1.316	0.5	
143	48506	4	4.797	1.594	1.264	
144	48506	4	0.64	0.905	0.151	
145	48507	9	8.713	2.799	50.97	
146	48507	9	2.544	1.099	0.498	
147	48507	9	0.41	0.096	0.116	
148	48503	7	32.85	35.76	9.103	
149	48503	7	12.87	14.87	6.326	
150	48503	8	38.02	38.7	38.94	
151	48507	9	2.435	8.183	1.296	
152	48507	9	2.997	1.867	1.512	
153	48507	9	11	10.53	8.688	
154	48507	9	6.219	12.33	4.202	
155	48503	8	8.8	3.1	4.5	
156	48504	6	8.071	0.947	0.839	
157	48507	9	3.262	0.453	0.252	
158	48503	8	2.267	0.541	0.391	
159	48505	3	0.922	0.878	0.491	
160	48504	6	27.02	31.25	11.37	
161	48503	8	0.906	0.961	1.052	
162	48507	9	2.85	6.862	0.951	
163	48504	2	1.852	0.472	0.422	
164	48506	4	5.35	1.328	0.595	
165	48503	7	25.21	4.337	1.019	
166	48504	6	15.55	3.962	1.861	
167	48506	4	0.793	0.533	0.391	
168	48506	4	5.068	0.683	0.489	
169	48507	8	26.64	8.878	6.619	
170	48506	4	1.867	0.165	0.175	
171	48506	4	19.16	12.54	7.719	

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172	48503	5	28.7	12.7	8.6	
173	48507	9	20.22	8.908	6.677	
174	48507	8	2.9	0.6	0.7	
175	48503	7	18.86	5.051	2.548	
176	48507	9	2.816	0.324	0.362	
177	48506	3	118.4	40.78	39.99	
178	48506	3	27.45	0.939	0.533	
179	48503	7	1.2	0.1	0.1	
180	48506	4	4.681	0.755	0.456	
181	48506	3	11.57	6.08	1.782	
182	48532	8	6.557	0.289	0.371	
183	48505	3	3.4	9.6	1.7	
184	48504	6	0.7	0.2	0.2	
185	48507	8	158	90.83	91.69	
186	48506	4	0.977	0.47	0.381	
187	48503	8	8.471	4.692	1.48	
188	48507	9	11.47	23.15	7.129	
189	48503	7	5.228	2.477	1.014	
190	48507	9	0.956	0.196	0.157	
191	48504	6	1.671	0.405	4.721	
192	48507	9	1.152	0.708	0.282	
193	48507	9	0.5	0.1	0.1	
194	48503	5	10.74	2.331	1.628	
195	48507	9	3.9	0.4	0.2	
196	48507	9	2.149	0.368	0.333	
197	48506	4	1.1	0.4	0.2	
198	48507	9	7.087	9.467	1.28	
199	48505	1	1.329	0.609	0.527	
200	48507	9	6.2	0.7	0.6	
201	48505	3	0.8	0.26	0.255	
202	48503	8	9.3	9.7	5	
203	48504	2	2.1	1.2	0.5	
204	48505	1	4.563	3.106	2.997	
205	48504	2	4.808	6.196	1.523	
206	48504	2	0.753	2.526	0.549	
207	48505	1	1.862	1.213	0.898	
208	48503	7	1.183	0.366	0.201	
209	48503	7	8.2	3.2	2.6	
210	48504	6	3.679	0.498	0.288	
211	48505	1	2.37	7.333	3.797	
212	48504	2	0.828	1.318	0.233	
213	48503	7	0.719	0.254	0.058	
214	48504	1	2.822	1.221	0.258	

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215	48504	8	2.867	0.723	0.744	
216	48503	7	2.332	3.588	1.221	
217	48503	8	4.401	2.111	1.572	
218	48504	6	2.708	2.238	0.809	
219	48504	6	34.13	6.002	1.71	
220	48503	7	5.218	2.614	0.831	
221	48503	7	15.73	13.95	3.584	
222	48504	6	3.045	2.744	0.299	
223	48503	7	1.1	0.5	0.3	
224	48503	7	1.386	0.288	0.432	
225	48504	6	0.915	0.354	0.306	
226	48504	6	2.145	0.345	3.738	
227	48507	8	4.056	0.547	0.378	
228	48503	7	1.668	1.508	2.72	
229	48503	7	7.575	1.362	1.094	
230	48507	8	5.59	4.306	2.019	
231	48503	5	0.708	0.326	0.303	
232	48504	6	1.701	4.397	1.287	
233	48504	6	1.467	0.149	0.137	
234	48504	2	2.582	259.8	61.96	
235	48505	2	22.08	15.86	9.262	
236	48507	8	16.51	2.024	7.068	
237	48507	8	56.26	4.692	1.243	
238	48504	6	2.433	1.334	1.376	
239	48503	7	0.5	0.2	0.5	
240	48504	6	29.13	11.57	6.388	
241	48505	1	12.3	0.5	0.4	
242	48504	6	3.445	0.29	0.167	
243	48507	9	16.49	12.83	9.018	
244	48503	7	3.365	2.45	1.675	
245	48503	7	1.154	0.176	0.12	
246	48507	9	13.53	21.91	4.675	
247	48504	6	2.229	1.573	0.84	
248	48503	7	28.91	5.471	3.056	
249	48503	7	6.601	1.929	0.417	
250	48507	9	0.948	0.27	0.207	
251	48505	3	3.484	0.434	0.306	
252	48503	7	1.888	0.359	0.322	
253	48503	7	13.95	12.2	8.251	
254	48504	6	6.27	4.036	1.182	
255	48506	7	19.12	22.02	7.968	
256	48507	9	1.633	0.465	0.238	
257	48503	7	1.114	0.605	0.255	

	A
258	284
259	285
260	286
261	287
262	289
263	290
264	291
265	292
266	293
267	294
268	295
269	296
270	298
271	299
272	300
273	Average (First Draw)
274	90th Percentile (First Draw)
275	Maximum (First Draw)
276	Maximum (Any sample)
277	Total No. of Samples
278	
279	IMPORTANT: Please note that the detection limit of the ICP-MS at Virginia Tech is 1 ppb. All numbers shown in the table that are below 1 ppb should be considered <1ppb
280	
281	<u>90th Percentile Calculation</u>
282	Sample to be considered for 90th percentile
283	Sample #244 (in ascending order; not ID)
284	Sample #245 (in ascending order; not ID)
285	90th Percentile Calculation
286	
287	Credits:
288	<u>The FlintWaterStudy Team at Virginia Tech (lead sampling kits preparation and processing); Dr. Jeffrey Parks and Anurag Mantha for overseeing analysis</u>
289	<u>Our collaborators who helped facilitate sampling (LeeAnne Walters, Melissa Mays, Nayyirah Shariff, Claire McClinton, Curt Guyette, Dr. Laura Sullivan, Pastors Alfred Harris, Rev. Allen Overton)</u>
290	<u>Citizens of Flint who participated in the sampling</u>

	B	C	D	E	F	G
258	48503	7	3.9	0.558	0.504	
259	48504	1	3.521	0.45	0.321	
260	48507	9	3.832	0.794	0.339	
261	48505	3	3.243	0.738	0.27	
262	48503	7	0.99	0.25	0.263	
263	48507	9	1.203	19.26	1.626	
264	48506	3	2.261	0.102	0.407	
265	48503	4	16.99	6.32	3.585	
266	48503	7	3.322	2.559	1.512	
267	48506	4	14.33	1.284	0.323	
268	48503	7	18.11	20.21	4.263	
269	48503	7	12.81	7.874	1.78	
270	48503	7	1.083	0.322	0.26	
271	48503	7	29.59	3.258	1.843	
272	48505	1	4.287	4.345	4.905	
273			10.646	ppb		
274			26.792	ppb		
275			158	ppb		
276			1051	ppb		
277			271			
278						
279						
280						
281						
282			244.4			
283			26.64	ppb		
284			27.02	ppb		
285			26.792	ppb		
286						
287						
288						
289						
290						

	A	B	C	D	E	F
1	SampleID	Zip Code	Ward	Pb Bottle 1 (ppb)	Pb Bottle 2 (ppb)	Pb Bottle 3 (ppb)
2	14	48507	8	2.595	0.527	0.352
3	64	48506	5	11.43	15.56	12.17
4	175	48506	NA	0	0	0
5	181	48507	NA	4.8	1.5	1.9
6	188	48504	NA	0.2	0.1	0

	G
1	Notes
2	Did not wait for 6 hours stagnation **not included in summary data**
3	Used a different faucet for bottle 3 **not included in summary data**
4	On a different water supply **not included in summary data**
5	On a different water supply **not included in summary data**
6	On a different water supply **not included in summary data**

	A	B	C	D
1	Sample ID	Virginia Tech-First draw Lead (ppb)	MDEQ Lead (ppb)	WARD
2	8	40.6	42	9
3	15	4.358	ND	9
4	16	24.4	5	5
5	19	2.484	ND	9
6	26	16.52	21	5
7	27	1.984	3	1
8	29	5.519	3	2
9	30	0.639	2 ⁴	4
10	31	8.2 ³	8	6
11	33	66.88	42	6
12	34	20.41	5	1
13	36	5.06	3	8
14	79	5.8 ¹	5 ²	6
15	134	10.6	6	9
16	148	2.325	22	9
17	157	7.2	4	7
18	182	15.55	ND	6
19	207	8.471	5	7
20	208	11.5	6	9
21	274	6.601	2	7
22	291	2.261	ND	3
23	¹ The address was sampled two times and it represents the average value of 5.2 ppb and 6.3 ppb;			
24	² The address was sampled two times and it represents the average value of 2 ppb and 8 ppb;			
25	³ The address was sampled two times and it represents the average value of 6.1 ppb and 10.3 ppb;			
26	⁴ The address was sampled two times and it represents the average value of 2 ppb and 2 ppb;			
27	ND = Not Detectable.			

	E
1	ZipCode
2	48507
3	48507
4	48505
5	48507
6	48505
7	48505
8	48504
9	48506
10	48503
11	48503
12	48505
13	48503
14	48503
15	48507
16	48507
17	48503
18	48504
19	48503
20	48507
21	48503
22	48506
23	
24	
25	
26	
27	

From: Krisztian, George (DEQ)
Sent: Friday, December 18, 2015 8:35 AM
To: btawwab@flintschools.org;tsitko@flintschools.org
Subject: Consolidated Results for Holmes and the Admin building.
Attachments: Holmes and Admin Draft.xlsx

Gentlemen,

Please find attached the consolidated data for Holmes STEM academy and the Administration building. Each facility is listed on a separate tab located on the bottom of the spread sheet.

The final narrative reports will be coming over the course of the next couple of weeks. This leaves just the High Schools left for the first round of testing.

Please let me know if you have any questions
George

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

Holmes STEM Academy
6602 Oxley Drive
Fint, Michigan 48504

	A	B	C	D	E	F	G
1	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
2	Lead	0.002	Copper	0.25	01KC005-KITCHEN	CA1	First Sequential Sample
3	Lead	0.003	Copper	0.10	01KC005-KITCHEN	CA2	Second Sequential Sample
4	Lead	0.000	Copper	0.05	01KC005-KITCHEN	CA3	Third Sequential Sample
5	Lead	0.000	Copper	0.00	01KC005-KITCHEN	CA4	Forth Sequential Sample
6	Lead	0.000	Copper	0.00	01KC005-KITCHEN	CA5	Fifth Sequential Sample
7	Lead	0.000	Copper	0.00	01KC005-KITCHEN	CA6	Sixth Sequential Sample
8	Lead	0.000	Copper	0.00	01KC005-KITCHEN	CA7	Seventh Sequential Sample
9	Lead	0.000	Copper	0.00	01KC005-KITCHEN	CA8	Eighth Sequential Sample
10	Lead	0.000	Copper	0.00	01KC005-KITCHEN	CA9	Ninth Sequential Sample
11	Lead	0.000	Copper	0.00	01KC005-KITCHEN	CA10	Tenth Sequential Sample
12	Lead	0.000	Copper	0.15	01CF024-B105 RM	CB1	First Sequential Sample
13	Lead	0.000	Copper	0.16	01CF024-B105 RM	CB2	Second Sequential Sample
14	Lead	0.000	Copper	0.12	01CF024-B105 RM	CB3	Third Sequential Sample
15	Lead	0.000	Copper	0.12	01CF024-B105 RM	CB4	Forth Sequential Sample
16	Lead	0.000	Copper	0.11	01CF024-B105 RM	CB5	Fifth Sequential Sample
17	Lead	0.000	Copper	0.09	01CF024-B105 RM	CB6	Sixth Sequential Sample
18	Lead	0.000	Copper	0.08	01CF024-B105 RM	CB7	Seventh Sequential Sample
19	Lead	0.000	Copper	0.08	01CF024-B105 RM	CB8	Eighth Sequential Sample
20	Lead	0.000	Copper	0.09	01CF024-B105 RM	CB9	Ninth Sequential Sample
21	Lead	0.000	Copper	0.11	01CF024-B105 RM	CB10	Tenth Sequential Sample
22	Lead	0.014	Copper	0.13	01CF032-COMMUNITY RM	CC1	First Sequential Sample
23	Lead	0.002	Copper	0.06	01CF032-COMMUNITY RM	CC2	Second Sequential Sample
24	Lead	0.002	Copper	0.00	01CF032-COMMUNITY RM	CC3	Third Sequential Sample
25	Lead	0.002	Copper	0.00	01CF032-COMMUNITY RM	CC4	Forth Sequential Sample
26	Lead	0.001	Copper	0.00	01CF032-COMMUNITY RM	CC5	Fifth Sequential Sample
27	Lead	0.001	Copper	0.00	01CF032-COMMUNITY RM	CC6	Sixth Sequential Sample
28	Lead	0.001	Copper	0.00	01CF032-COMMUNITY RM	CC7	Seventh Sequential Sample
29	Lead	0.001	Copper	0.00	01CF032-COMMUNITY RM	CC8	Eighth Sequential Sample
30	Lead	0.001	Copper	0.00	01CF032-COMMUNITY RM	CC9	Ninth Sequential Sample
31	Lead	0.001	Copper	0.00	01CF032-COMMUNITY RM	CC10	Tenth Sequential Sample
32	Lead	0.001	Copper	0.12	01WC041-RED HALL	CE1	First Sequential Sample
33	Lead	0.001	Copper	0.11	01WC041-RED HALL	CE2	Second Sequential Sample
34	Lead	0.001	Copper	0.09	01WC041-RED HALL	CE3	Third Sequential Sample
35	Lead	0.001	Copper	0.08	01WC041-RED HALL	CE4	Forth Sequential Sample
36	Lead	0.001	Copper	0.07	01WC041-RED HALL	CE5	Fifth Sequential Sample
37	Lead	0.000	Copper	0.07	01WC041-RED HALL	CE6	Sixth Sequential Sample
38	Lead	0.000	Copper	0.06	01WC041-RED HALL	CE7	Seventh Sequential Sample
39	Lead	0.000	Copper	0.06	01WC041-RED HALL	CE8	Eighth Sequential Sample
40	Lead	0.000	Copper	0.05	01WC041-RED HALL	CE9	Ninth Sequential Sample
41	Lead	0.001	Copper	0.05	01WC041-RED HALL	CE10	Tenth Sequential Sample
42	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Holmes STEM Academy
6602 Oxley Drive
Fint, Michigan 48504

	A	B	C	D	E	F	G
43	Lead	0.000	Copper	0.17	01WC043	CF1	First Sequential Sample
44	Lead	0.000	Copper	0.14	01WC043	CF2	Second Sequential Sample
45	Lead	0.000	Copper	0.10	01WC043	CF3	Third Sequential Sample
46	Lead	0.000	Copper	0.09	01WC043	CF4	Forth Sequential Sample
47	Lead	0.000	Copper	0.07	01WC043	CF5	Fifth Sequential Sample
48	Lead	0.000	Copper	0.06	01WC043	CF6	Sixth Sequential Sample
49	Lead	0.000	Copper	0.06	01WC043	CF7	Seventh Sequential Sample
50	Lead	0.000	Copper	0.05	01WC043	CF8	Eighth Sequential Sample
51	Lead	0.000	Copper	0.00	01WC043	CF9	Ninth Sequential Sample
52	Lead	0.000	Copper	0.00	01WC043	CF10	Tenth Sequential Sample
53	Lead	0.004	Copper	0.18	01CF015 RM B-109	P1	First Primary draw of 125 milliliters
54	Lead	0.002	Copper	0.67	01CF015 RM B109	P2	Second Primary draw of 125 milliliters
55	Lead	0.000	Copper	0.46	01CF015 RM B109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
56	Lead	0.000	Copper	0.45	01CF015 RM B109	F02	Flush Sample taken 2 minutes after First Flush Sample
57	Lead	0.004	Copper	0.68	01DW019 RM B102	P1	First Primary draw of 125 milliliters
58	Lead	0.000	Copper	0.65	01DW019 RM B102	P2	Second Primary draw of 125 milliliters
59	Lead	0.000	Copper	0.47	01DW019 RM B102	F01	Flush Sample taken 30 Seconds after Second Primary Draw
60	Lead	0.000	Copper	0.25	01DW019 RM B102	F02	Flush Sample taken 2 minutes after First Flush Sample
61	Lead	0.005	Copper	0.24	01DW023 RM B105	P1	First Primary draw of 125 milliliters
62	Lead	0.002	Copper	0.19	01DW023 RM B105	P2	Second Primary draw of 125 milliliters
63	Lead	0.000	Copper	0.14	01DW023 RM B105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
64	Lead	0.000	Copper	0.08	01DW023 RM B105	F02	Flush Sample taken 2 minutes after First Flush Sample
65	Lead	0.002	Copper	0.13	01CF024 RM B105	P1	First Primary draw of 125 milliliters
66	Lead	0.005	Copper	0.18	01CF024 RM B105	P2	Second Primary draw of 125 milliliters
67	Lead	0.000	Copper	0.08	01CF024 RM B105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
68	Lead	0.000	Copper	0.06	01CF024 RM B105	F02	Flush Sample taken 2 minutes after First Flush Sample
69	Lead	0.001	Copper	0.34	01KC022 RM B102	P1	First Primary draw of 125 milliliters
70	Lead	0.002	Copper	0.53	01KC022 RM B102	P2	Second Primary draw of 125 milliliters
71	Lead	0.000	Copper	0.08	01KC022 RM B102	F01	Flush Sample taken 30 Seconds after Second Primary Draw
72	Lead	0.000	Copper	0.06	01KC022 RM B102	F02	Flush Sample taken 2 minutes after First Flush Sample
73	Lead	0.005	Copper	0.26	01KC016 RM B109	P1	First Primary draw of 125 milliliters
74	Lead	0.004	Copper	0.52	01KC016 RM B109	P2	Second Primary draw of 125 milliliters
75	Lead	0.000	Copper	0.44	01KC016 RM B109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
76	Lead	0.000	Copper	0.27	01KC016 RM B109	F02	Flush Sample taken 2 minutes after First Flush Sample
77	Lead	0.000	Copper	0.21	01CF020 RM B102	P1	First Primary draw of 125 milliliters
78	Lead	0.000	Copper	0.53	01CF020 RM B102	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

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	A	B	C	D	E	F	G
79	Lead	0.000	Copper	0.47	01CF020 RM B102	F01	Flush Sample taken 30 Seconds after Second Primary Draw
80	Lead	0.000	Copper	0.06	01CF020 RM B102	F02	Flush Sample taken 2 minutes after First Flush Sample
81	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
82	Lead	0.002	Copper	0.33	01KC021 RM B102	P1	First Primary draw of 125 milliliters
83	Lead	0.002	Copper	0.75	01KC021 RM B102	P2	Second Primary draw of 125 milliliters
84	Lead	0.000	Copper	0.11	01KC021 RM B102	F01	Flush Sample taken 30 Seconds after Second Primary Draw
85	Lead	0.000	Copper	0.07	01KC021 RM B102	F02	Flush Sample taken 2 minutes after First Flush Sample
86	Lead	0.018	Copper	0.61	01DW014 RM B109	P1	Second Primary draw of 125 milliliters
87	Lead	0.002	Copper	1.01	01DW014 RM B109	P2	Second Primary draw of 125 milliliters
88	Lead	0.000	Copper	0.90	01DW014 RM B109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
89	Lead	0.000	Copper	0.48	01DW014 RM B109	F02	Flush Sample taken 2 minutes after First Flush Sample
90	Lead	0.059	Copper	0.09	01DW018 RM B102	P1	First Primary draw of 125 milliliters
91	Lead	0.035	Copper	0.11	01DW018 RM B102	P2	Second Primary draw of 125 milliliters
92	Lead	0.020	Copper	0.06	01DW018 RM B102	F01	Flush Sample taken 30 Seconds after Second Primary Draw
93	Lead	0.004	Copper	0.00	01DW018 RM B102	F02	Flush Sample taken 2 minutes after First Flush Sample
94	Lead	0.700	Copper	0.36	01KC033 CMTY RM	P1	First Primary draw of 125 milliliters
95	Lead	0.181	Copper	1.47	01KC033 CMTY RM	P2	Second Primary draw of 125 milliliters
96	Lead	0.010	Copper	0.14	01KC033 CMTY RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
97	Lead	0.002	Copper	0.06	01KC033 CMTY RM	F02	Flush Sample taken 2 minutes after First Flush Sample
98	Lead	0.002	Copper	0.19	01KC011 RM B110	P1	First Primary draw of 125 milliliters
99	Lead	0.002	Copper	0.58	01KC011 RM B110	P2	Second Primary draw of 125 milliliters
100	Lead	0.000	Copper	0.09	01KC011 RM B110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
101	Lead	0.000	Copper	0.07	01KC011 RM B110	F02	Flush Sample taken 2 minutes after First Flush Sample
102	Lead	0.006	Copper	0.16	01KC017 RM B109	P1	First Primary draw of 125 milliliters
103	Lead	0.004	Copper	0.32	01KC017 RM B109	P2	Second Primary draw of 125 milliliters
104	Lead	0.000	Copper	0.20	01KC017 RM B109	F01	Flush Sample taken 30 Seconds after Second Primary Draw
105	Lead	0.000	Copper	0.15	01KC017 RM B109	F02	Flush Sample taken 2 minutes after First Flush Sample
106	Lead	0.021	Copper	0.34	01KC034 CMTY RM	P1	First Primary draw of 125 milliliters
107	Lead	0.010	Copper	0.79	01KC034 CMTY RM	P2	Second Primary draw of 125 milliliters
108	Lead	0.003	Copper	0.09	01KC034 CMTY RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
109	Lead	0.001	Copper	0.05	01KC034 CMTY RM	F02	Flush Sample taken 2 minutes after First Flush Sample
110	Lead	0.007	Copper	0.13	01CF028 RM B114	P1	First Primary draw of 125 milliliters
111	Lead	0.002	Copper	0.09	01CF028 RM B114	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

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	A	B	C	D	E	F	G
112	Lead	0.000	Copper	0.00	01CF028 RM B114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
113	Lead	0.000	Copper	0.00	01CF028 RM B114	F02	Flush Sample taken 2 minutes after First Flush Sample
114	Lead	0.034	Copper	0.18	01CF032 CMTY RM	P1	First Primary draw of 125 milliliters
115	Lead	0.015	Copper	0.13	01CF032 CMTY RM	P2	Second Primary draw of 125 milliliters
116	Lead	0.004	Copper	0.06	01CF032 CMTY RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
117	Lead	0.004	Copper	0.00	01CF032 CMTY RM	F02	Flush Sample taken 2 minutes after First Flush Sample
118	Lead	0.012	Copper	0.10	01DW035 HALL	P1	First Primary draw of 125 milliliters
119	Lead	0.002	Copper	0.11	01DW035 HALL	P2	Second Primary draw of 125 milliliters
120	Lead	0.002	Copper	0.00	01DW035 HALL	F01	Flush Sample taken 30 Seconds after Second Primary Draw
121	Lead	0.000	Copper	0.00	01DW035 HALL	F02	Flush Sample taken 2 minutes after First Flush Sample
122	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
123	Lead	0.006	Copper	0.78	01DW027 RM B114	P1	First Primary draw of 125 milliliters
124	Lead	0.007	Copper	0.26	01DW027 RM B114	P2	Second Primary draw of 125 milliliters
125	Lead	0.001	Copper	0.11	01DW027 RM B114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
126	Lead	0.000	Copper	0.00	01DW027 RM B114	F02	Flush Sample taken 2 minutes after First Flush Sample
127	Lead	0.019	Copper	1.04	01DW031 CMTY RM	P1	First Primary draw of 125 milliliters
128	Lead	0.077	Copper	0.62	01DW031 CMTY RM	P2	Second Primary draw of 125 milliliters
129	Lead	0.004	Copper	0.14	01DW031 CMTY RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
130	Lead	0.003	Copper	0.07	01DW031 CMTY RM	F02	Flush Sample taken 2 minutes after First Flush Sample
131	Lead	0.015	Copper	0.20	01KC036 MAIN OFC	P1	First Primary draw of 125 milliliters
132	Lead	0.015	Copper	0.12	01KC036 MAIN OFC	P2	Second Primary draw of 125 milliliters
133	Lead	0.002	Copper	0.00	01KC036 MAIN OFC	F01	Flush Sample taken 30 Seconds after Second Primary Draw
134	Lead	0.000	Copper	0.00	01KC036 MAIN OFC	F02	Flush Sample taken 2 minutes after First Flush Sample
135	Lead	0.004	Copper	0.15	01KC026 RM B105	P1	First Primary draw of 125 milliliters
136	Lead	0.003	Copper	0.51	01KC026 RM B105	P2	Second Primary draw of 125 milliliters
137	Lead	0.000	Copper	0.07	01KC026 RM B105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
138	Lead	0.000	Copper	0.06	01KC026 RM B105	F02	Flush Sample taken 2 minutes after First Flush Sample
139	Lead	0.004	Copper	0.13	01KC030 RM B114	P1	First Primary draw of 125 milliliters
140	Lead	0.003	Copper	0.45	01KC030 RM B114	P2	Second Primary draw of 125 milliliters
141	Lead	0.000	Copper	0.00	01KC030 RM B114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
142	Lead	0.000	Copper	0.00	01KC030 RM B114	F02	Flush Sample taken 2 minutes after First Flush Sample
143	Lead	0.003	Copper	0.14	01WC040 RED HALL	P1	First Primary draw of 125 milliliters
144	Lead	0.002	Copper	0.18	01WC040 RED HALL	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

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	A	B	C	D	E	F	G
145	Lead	0.003	Copper	0.20	01WC040 RED HALL	F01	Flush Sample taken 30 Seconds after Second Primary Draw
146	Lead	0.001	Copper	0.09	01WC040 RED HALL	F02	Flush Sample taken 2 minutes after First Flush Sample
147	Lead	0.007	Copper	0.13	01KC029 RM B114	P1	First Primary draw of 125 milliliters
148	Lead	0.003	Copper	1.66	01KC029 RM B114	P2	Second Primary draw of 125 milliliters
149	Lead	0.000	Copper	0.10	01KC029 RM B114	F01	Flush Sample taken 30 Seconds after Second Primary Draw
150	Lead	0.000	Copper	0.00	01KC029 RM B114	F02	Flush Sample taken 2 minutes after First Flush Sample
151	Lead	0.004	Copper	0.37	01KC025 RM B105	P1	First Primary draw of 125 milliliters
152	Lead	0.002	Copper	0.71	01KC025 RM B105	P2	Second Primary draw of 125 milliliters
153	Lead	0.000	Copper	0.08	01KC025 RM B105	F01	Flush Sample taken 30 Seconds after Second Primary Draw
154	Lead	0.000	Copper	0.07	01KC025 RM B105	F02	Flush Sample taken 2 minutes after First Flush Sample
155	Lead	0.015	Copper	0.15	01DW039 RED HALL BY BOYS RR	P1	First Primary draw of 125 milliliters
156	Lead	0.005	Copper	0.09	01DW039 RED HALL BY BOYS RR	P2	Second Primary draw of 125 milliliters
157	Lead	0.002	Copper	0.00	01DW039 RED HALL BY BOYS RR	F01	Flush Sample taken 30 Seconds after Second Primary Draw
158	Lead	0.000	Copper	0.00	01DW039 RED HALL BY BOYS RR	F02	Flush Sample taken 2 minutes after First Flush Sample
159	Lead	0.000	Copper	0.22	01WC043 BLUE HALL	P1	First Primary draw of 125 milliliters
160	Lead	0.000	Copper	0.29	01WC043 BLUE HALL	P2	Second Primary draw of 125 milliliters
161	Lead	0.002	Copper	0.29	01WC043 BLUE HALL	F01	Flush Sample taken 30 Seconds after Second Primary Draw
162	Lead	0.000	Copper	0.13	01WC043 BLUE HALL	F02	Flush Sample taken 2 minutes after First Flush Sample
163	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
164	Lead	0.011	Copper	0.11	01DW038 YELLOW HALL BY GIRLS RR	P1	First Primary draw of 125 milliliters
165	Lead	0.003	Copper	0.06	01DW038 YELLOW HALL BY GIRLS RR	P2	Second Primary draw of 125 milliliters
166	Lead	0.000	Copper	0.00	01DW038 YELLOW HALL BY GIRLS RR	F01	Flush Sample taken 30 Seconds after Second Primary Draw
167	Lead	0.000	Copper	0.00	01DW038 YELLOW HALL BY GIRLS RR	F02	Flush Sample taken 2 minutes after First Flush Sample
168	Lead	0.024	Copper	0.16	01DW042 GREEN	P1	First Primary draw of 125 milliliters
169	Lead	0.017	Copper	0.14	01DW042 GREEN	P2	Second Primary draw of 125 milliliters
170	Lead	0.004	Copper	0.07	01DW042 GREEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw
171	Lead	0.003	Copper	0.06	01DW042 GREEN	F02	Flush Sample taken 2 minutes after First Flush Sample
172	Lead	0.011	Copper	0.10	01WC041 RED HALL	P1	First Primary draw of 125 milliliters
173	Lead	0.002	Copper	0.10	01WC041 RED HALL	P2	Second Primary draw of 125 milliliters
174	Lead	0.001	Copper	0.09	01WC041 RED HALL	F01	Flush Sample taken 30 Seconds after Second Primary Draw
175	Lead	0.000	Copper	0.07	01WC041 RED HALL	F02	Flush Sample taken 2 minutes after First Flush Sample
176	Lead	0.032	Copper	0.12	01KC037 SUPPLY RM	P1	First Primary draw of 125 milliliters
177	Lead	0.031	Copper	0.15	01KC037 SUPPLY RM	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Holmes STEM Academy
6602 Oxley Drive
Fint, Michigan 48504

	A	B	C	D	E	F	G
178	Lead	0.008	Copper	0.19	01KC037 SUPPLY RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
179	Lead	0.002	Copper	0.20	01KC037 SUPPLY RM	F02	Flush Sample taken 2 minutes after First Flush Sample
180	Lead	0.017	Copper	0.19	01DW001 BOYS LOCKER	P1	First Primary draw of 125 milliliters
181	Lead	0.012	Copper	0.17	01DW001 BOYS LOCKER	P2	Second Primary draw of 125 milliliters
182	Lead	0.005	Copper	0.14	01DW001 BOYS LOCKER	F01	Flush Sample taken 30 Seconds after Second Primary Draw
183	Lead	0.005	Copper	0.12	01DW001 BOYS LOCKER	F02	Flush Sample taken 2 minutes after First Flush Sample
184	Lead	0.000	Copper	0.20	01KC005 KITCHEN	P1	First Primary draw of 125 milliliters
185	Lead	0.001	Copper	0.77	01KC005 KITCHEN	P2	Second Primary draw of 125 milliliters
186	Lead	0.005	Copper	0.13	01KC005 KITCHEN	F01	Flush Sample taken 30 Seconds after Second Primary Draw
187	Lead	0.000	Copper	0.00	01KC005 KITCHEN	F02	Flush Sample taken 2 minutes after First Flush Sample
188	Lead	0.002	Copper	0.16	01KC010 RM 110	P1	First Primary draw of 125 milliliters
189	Lead	0.002	Copper	1.32	01KC010 RM B110	P2	Second Primary draw of 125 milliliters
190	Lead	0.000	Copper	0.09	01KC010 RM B110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
191	Lead	0.000	Copper	0.07	01KC010 RM B110	F02	Flush Sample taken 2 minutes after First Flush Sample
192	Lead	0.022	Copper	0.38	01DW006 CAFETERIA	P1	First Primary draw of 125 milliliters
193	Lead	0.020	Copper	0.85	01DW006 CAFETERIA	P2	Second Primary draw of 125 milliliters
194	Lead	0.005	Copper	0.68	01DW006 CAFETERIA	F01	Flush Sample taken 30 Seconds after Second Primary Draw
195	Lead	0.004	Copper	0.73	01DW006 CAFETERIA	F02	Flush Sample taken 2 minutes after First Flush Sample
196	Lead	0.018	Copper	0.20	01DW002 GIRLS LOCKR RM	P1	First Primary draw of 125 milliliters
197	Lead	0.009	Copper	0.16	01DW002 GIRLS LOCKR RM	P2	Second Primary draw of 125 milliliters
198	Lead	0.009	Copper	0.20	01DW002 GIRLS LOCKR RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
199	Lead	0.004	Copper	0.18	01DW002 GIRLS LOCKR RM	F02	Flush Sample taken 2 minutes after First Flush Sample
200	Lead	0.011	Copper	0.11	01DW003 HALLWAY BY GIRLS LOCKER RM	P1	First Primary draw of 125 milliliters
201	Lead	0.015	Copper	0.13	01DW003 HALLWAY BY GIRLS LOCKER RM	P2	Second Primary draw of 125 milliliters
202	Lead	0.010	Copper	0.14	01DW003 HALLWAY BY GIRLS LOCKER RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
203	Lead	0.003	Copper	0.13	01DW003 HALLWAY BY GIRLS LOCKER RM	F02	Flush Sample taken 2 minutes after First Flush Sample
204	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
205	Lead	0.002	Copper	0.12	01CF013 RM B110	P1	First Primary draw of 125 milliliters
206	Lead	0.001	Copper	0.45	01CF013 RM B110	P2	Second Primary draw of 125 milliliters
207	Lead	0.000	Copper	0.07	01CF013 RM B110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
208	Lead	0.000	Copper	0.06	01CF013 RM B110	F02	Flush Sample taken 2 minutes after First Flush Sample
209	Lead	0.004	Copper	0.66	01DW012 RM B110	P1	First Primary draw of 125 milliliters
210	Lead	0.000	Copper	0.95	01DW012 RM B110	P2	Second Primary draw of 125 milliliters

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Holmes STEM Academy
6602 Oxley Drive
Fint, Michigan 48504

	A	B	C	D	E	F	G
211	Lead	0.000	Copper	0.62	01DW012 RM B110	F01	Flush Sample taken 30 Seconds after Second Primary Draw
212	Lead	0.000	Copper	0.06	01DW012 RM B110	F02	Flush Sample taken 2 minutes after First Flush Sample
213	Lead	0.015	Copper	0.64	01DW007 CAFETERIA	P1	First Primary draw of 125 milliliters
214	Lead	0.005	Copper	0.75	01DW007 CAFETERIA	P2	Second Primary draw of 125 milliliters
215	Lead	0.004	Copper	0.73	01DW007 CAFETERIA	F01	Flush Sample taken 30 Seconds after Second Primary Draw
216	Lead	0.004	Copper	0.73	01DW007 CAFETERIA	F02	Flush Sample taken 2 minutes after First Flush Sample
217	Lead	0.047	Copper	0.44	01DW008 CAFE	P1	First Primary draw of 125 milliliters
218	Lead	0.008	Copper	0.67	01DW008 CAFE	P2	Second Primary draw of 125 milliliters
219	Lead	0.006	Copper	0.75	01DW008 CAFE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
220	Lead	0.017	Copper	0.69	01DW008 CAFE	F02	Flush Sample taken 2 minutes after First Flush Sample
221	Lead	0.022	Copper	0.64	01DW009 CAFE	P1	First Primary draw of 125 milliliters
222	Lead	0.016	Copper	0.66	01DW009 CAFE	P2	Second Primary draw of 125 milliliters
223	Lead	0.013	Copper	0.66	01DW009 CAFE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
224	Lead	0.008	Copper	0.53	01DW009 CAFE	F02	Flush Sample taken 2 minutes after First Flush Sample
225	Lead	0.016	Copper	0.18	01DW004 HALL BY GIRLS LOCKER	P1	First Primary draw of 125 milliliters
226	Lead	0.004	Copper	0.14	01DW004 HALL BY GIRLS LOCKER	P2	Second Primary draw of 125 milliliters
227	Lead	0.003	Copper	0.13	01DW004 HALL BY GIRLS LOCKER	F01	Flush Sample taken 30 Seconds after Second Primary Draw
228	Lead	0.002	Copper	0.12	01DW004 HALL BY GIRLS LOCKER	F02	Flush Sample taken 2 minutes after First Flush Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

Flint Community Schools Administration Building
923 East Kearsley Street
Flint, Michigan 48503

	A	B	C	D	E	F	G
1	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
2	Lead	0.004	Copper	0.09	01KC005 - RM 3	P1	First Primary draw of 125 milliliters
3	Lead	0.004	Copper	0.05	01KC005 - RM 3	P2	Second Primary draw of 125 milliliters
4	Lead	0.002	Copper	0.00	01KC005 - RM 3	F01	Flush Sample taken 30 Seconds after Second Primary Draw
5	Lead	0.000	Copper	0.00	01KC005 - RM 3	F02	Flush Sample taken 2 minutes after First Flush Sample
6	Lead	0.005	Copper	0.08	03DW010 - NEXT TO FAN RM 212	P1	First Primary draw of 125 milliliters
7	Lead	0.003	Copper	0.07	03DW010 - NEXT TO FAN RM 212	P2	Second Primary draw of 125 milliliters
8	Lead	0.002	Copper	0.07	03DW010 - NEXT TO FAN RM 212	F01	Flush Sample taken 30 Seconds after Second Primary Draw
9	Lead	0.003	Copper	0.08	03DW010 - NEXT TO FAN RM 212	F02	Flush Sample taken 2 minutes after First Flush Sample
10	Lead	0.003	Copper	0.07	02DW009 - NEXT TO CONFERENCE RM	P1	First Primary draw of 125 milliliters
11	Lead	0.000	Copper	0.00	02DW009 - NEXT TO CONFERENCE RM	P2	Second Primary draw of 125 milliliters
12	Lead	0.001	Copper	0.00	02DW009 - NEXT TO CONFERENCE RM	F01	Flush Sample taken 30 Seconds after Second Primary Draw
13	Lead	0.000	Copper	0.00	02DW009 - NEXT TO CONFERENCE RM	F02	Flush Sample taken 2 minutes after First Flush Sample
14	Lead	0.000	Copper	0.44	02WC008 - NEXT TO WOMENS R/R	P1	First Primary draw of 125 milliliters
15	Lead	0.000	Copper	0.43	02WC008 - NEXT TO WOMENS R/R	P2	Second Primary draw of 125 milliliters
16	Lead	0.001	Copper	0.22	02WC008 - NEXT TO WOMENS R/R	F01	Flush Sample taken 30 Seconds after Second Primary Draw
17	Lead	0.000	Copper	0.07	02WC008 - NEXT TO WOMENS R/R	F02	Flush Sample taken 2 minutes after First Flush Sample
18	Lead	0.019	Copper	0.08	03DW011 NEXT TO RM 207	P1	First Primary draw of 125 milliliters
19	Lead	0.004	Copper	0.08	03DW011 NEXT TO RM 207	P2	Second Primary draw of 125 milliliters
20	Lead	0.003	Copper	0.05	03DW011 NEXT TO RM 207	F01	Flush Sample taken 30 Seconds after Second Primary Draw
21	Lead	0.002	Copper	0.00	03DW011 NEXT TO RM 207	F02	Flush Sample taken 2 minutes after First Flush Sample
22	Lead	0.018	Copper	0.14	01DW004 HALLWAY NEXT TO WOMEN EMPL R/R	P1	First Primary draw of 125 milliliters
23	Lead	0.009	Copper	0.06	01DW004 HALLWAY NEXT TO WOMEN EMPL R/R	P2	Second Primary draw of 125 milliliters
24	Lead	0.003	Copper	0.00	01DW004 HALLWAY NEXT TO WOMEN EMPL R/R	F01	Flush Sample taken 30 Seconds after Second Primary Draw
25	Lead	0.002	Copper	0.00	01DW004 HALLWAY NEXT TO WOMEN EMPL R/R	F02	Flush Sample taken 2 minutes after First Flush Sample
26	Lead	0.030	Copper	0.15	02DW007 NEXT TO MECH RM 111	P1	First Primary draw of 125 milliliters
27	Lead	0.015	Copper	0.09	02DW007 NEXT TO MECH RM 111	P2	Second Primary draw of 125 milliliters
28	Lead	0.014	Copper	0.09	02DW007 NEXT TO MECH RM 111	F01	Flush Sample taken 30 Seconds after Second Primary Draw
29	Lead	0.004	Copper	0.08	02DW007 NEXT MECH RM 111	F02	Flush Sample taken 2 minutes after First Flush Sample
30	Lead	0.003	Copper	0.17	01KC001 EMPLOYEE LOUNGE	P1	First Primary draw of 125 milliliters
31	Lead	0.015	Copper	0.27	01KC001 EMPLOYEE LOUNGE	P2	Second Primary draw of 125 milliliters

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

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Flint, Michigan 48503

	A	B	C	D	E	F	G
32	Lead	0.003	Copper	0.17	01KC001 EMPLOYEE LOUNGE	F01	Flush Sample taken 30 Seconds after Second Primary Draw
33	Lead	0.000	Copper	0.09	01KC001 EMPLOYEE LOUNGE	F02	Flush Sample taken 2 minutes after First Flush Sample
34	Lead	0.002	Copper	0.13	01KC002 OFF EMPLOYEE LOUNGE RM 10A	P1	First Primary draw of 125 milliliters
35	Lead	0.000	Copper	0.12	01KC002 OFF EMPLOYEE LOUNGE RM 10A	P2	Second Primary draw of 125 milliliters
36	Lead	0.000	Copper	0.00	01KC002 OFF EMPLOYEE LOUNGE RM 10A	F01	Flush Sample taken 30 Seconds after Second Primary Draw
37	Lead	0.000	Copper	0.00	01KC002 OFF EMPLOYEE LOUNGE RM 10A	F02	Flush Sample taken 2 minutes after First Flush Sample
38	Lead	0.001	Copper	0.09	02KC006 RM 119	P1	First Primary draw of 125 milliliters
39	Lead	0.000	Copper	0.05	02KC006 RM 119	P2	Second Primary draw of 125 milliliters
40	Lead	0.000	Copper	0.00	02KC006 RM 119	F01	Flush Sample taken 30 Seconds after Second Primary Draw
41	Lead	0.000	Copper	0.00	02KC006 RM 119	F02	Flush Sample taken 2 minutes after First Flush Sample
42	ANALYTE	RESULT	ANALYTE	RESULT	Sample Description	Site Code	Site Description
43	Lead	0.009	Copper	0.06	01DW003 HALLWAY NEXT TO RM 8	P1	First Primary draw of 125 milliliters
44	Lead	0.003	Copper	0.00	01DW003 HALLWAY NEXT TO RM 8	P2	Second Primary draw of 125 milliliters
45	Lead	0.000	Copper	0.00	01DW003 HALLWAY NEXT TO RM 8	F01	Flush Sample taken 30 Seconds after Second Primary Draw
46	Lead	0.003	Copper	0.08	01DW003 HALLWAY NEXT TO RM 8	F02	Flush Sample taken 2 minutes after First Flush Sample
47	Lead	0.000	Copper	0.00	02KC006-RM 119	CA1	First Sequential Sample
48	Lead	0.000	Copper	0.00	02KC006-RM 119	CA2	Second Sequential Sample
49	Lead	0.000	Copper	0.00	02KC006-RM 119	CA3	Third Sequential Sample
50	Lead	0.000	Copper	0.00	02KC006-RM 119	CA4	Fourth Sequential Sample
51	Lead	0.000	Copper	0.00	02KC006- RM 119	CA5	Fifth Sequential Sample
52	Lead	0.000	Copper	0.00	02KC006-RM 119	CA6	Sixth Sequential Sample
53	Lead	0.000	Copper	0.00	02KC006- RM 119	CA7	Seventh Sequential Sample
54	Lead	0.000	Copper	0.00	02KC006- RM 119	CA8	Eighth Sequential Sample
55	Lead	0.000	Copper	0.00	02KC006-RM 119	CA9	Ninth Sequential Sample
56	Lead	0.000	Copper	0.00	02KC006- RM 119	CA10	Tenth Sequential Sample
57	Lead	0.001	Copper	0.15	01KC001-EMPLOYEE LOUNGE	CB1	First Sequential Sample
58	Lead	0.000	Copper	0.10	01KC001-EMPLOYEE LOUNGE	CB2	Second Sequential Sample
59	Lead	0.000	Copper	0.07	01KC001-EMPLOYEE LOUNGE	CB3	Third Sequential Sample
60	Lead	0.000	Copper	0.06	01KC001-EMPLOYEE LOUNGE	CB4	Fourth Sequential Sample
61	Lead	0.000	Copper	0.06	01KC001-EMPLOYEE LOUNGE	CB5	Fifth Sequential Sample
62	Lead	0.000	Copper	0.06	01KC001-EMPLOYEE LOUNGE	CB6	Sixth Sequential Sample
63	Lead	0.000	Copper	0.05	01KC001-EMPLOYEE LOUNGE	CB7	Seventh Sequential Sample
64	Lead	0.000	Copper	0.05	01KC001-EMPLOYEE LOUNGE	CB8	Eighth Sequential Sample
65	Lead	0.000	Copper	0.05	01KC001-EMPLOYEE LOUNGE	CB9	Ninth Sequential Sample
66	Lead	0.000	Copper	0.05	01KC001-EMPLOYEE LOUNGE	CB10	Tenth Sequential Sample
67	Lead	0.024	Copper	0.08	03BF012-WOMENS R/R	CC1	First Sequential Sample
68	Lead	0.005	Copper	0.00	03BF012- WOMENS R/R	CC2	Second Sequential Sample
69	Lead	0.003	Copper	0.00	03BF012-WOMENS R/R	CC3	Third Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

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 923 East Kearsley Street
 Flint, Michigan 48503

	A	B	C	D	E	F	G
70	Lead	0.003	Copper	0.00	03BF012-WOMENS R/R	CC4	Forth Sequential Sample
71	Lead	0.003	Copper	0.00	03BF012-WOMENS R/R	CC5	Fifth Sequential Sample
72	Lead	0.002	Copper	0.00	03BF012-WOMENS R/R	CC6	Sixth Sequential Sample
73	Lead	0.002	Copper	0.00	03BF012-WOMENS R/R	CC7	Seventh Sequential Sample
74	Lead	0.002	Copper	0.00	03BF012-WOMENS R/R	CC8	Eighth Sequential Sample
75	Lead	0.002	Copper	0.00	03BF012-WOMENS R/R	CC9	Ninth Sequential Sample
76	Lead	0.002	Copper	0.00	03BF012-WOMENS R/R	CC10	Tenth Sequential Sample

Note: Results of "Not Detected" have been converted to a numerical value of zero to allow for ease of sorting.

Results in RED exceed 15 ppb for lead or 1.3 ppm for Copper

1 ppb = 0.001 mg/L

From: Krisztian, George (DEQ)
Sent: Monday, December 21, 2015 12:16 PM
To: Shaler, Karen (DEQ)
Subject: Governor's report for 12/21/15
Attachments: Fwd: EPA Flint Drinking Water Task Force Recommendations -- Performance Evaluation Period; Nutrition and Lead release_Dec18_FINAL.DOCX; 2015-12-21 Flint Drinking Water Action Plan Update.docx

Importance: High

Hi Karen,

Attached is this week's report to the Governor.

Please note that there are two attachments.

Thank you
George

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

From: Sygo, Jim (DEQ)
Sent: Wednesday, December 16, 2015 7:49 PM
To: Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ); Prysby, Mike (DEQ); Krisztian, George (DEQ)
Subject: Fwd: EPA Flint Drinking Water Task Force Recommendations -- Performance Evaluation Period
Attachments: performance evaluation period 12-16-15 final.pdf; ATT00001.htm

FYI

Sent from my iPhone

Begin forwarded message:

From: "Kaplan, Robert" <kaplan.robert@epa.gov>
Date: December 16, 2015 at 5:47:22 PM EST
To: Natasha Henderson <nhenderson@cityofflint.com>
Cc: "Sygo, Jim (DEQ)" <SygoJ@michigan.gov>
Subject: EPA Flint Drinking Water Task Force Recommendations -- Performance Evaluation Period

Natasha,

Attached please find the EPA Flint Drinking Water Task Force Recommendations for a Performance Evaluation Period.

As we discussed on December 11 and December 15, it is important to gain operational experience at the Flint Plant prior to distribution of KWA-sourced water. We have informally referred to this as a "shakedown" period for ensuring a safe and appropriate transition to the new water source.

Please feel free to call me if you have any questions. We are pleased to continue to work together.

- Bob

Cc: Jim Sygo, MDEQ

Flint Drinking Water Task Force (FTF 15-5)

Task Force Recommendations Regarding Flint Drinking Water Treatment Performance Evaluation

For protection of public health, Flint must avoid significant distribution system issues similar to those experienced following the source water switch to the Flint River and subsequent operation of Flint's water treatment plant.

The EPA Flint Safe Drinking Water Task Force recommends that Flint develop and implement a Performance Assessment Plan prior to distribution of water from the Karegnondi Water Authority (KWA) source. The plan must address how the treatment plant will be brought on-line, and how finished drinking water will be introduced to the distribution system. This plan is particularly important given the City has no experience treating the KWA-supplied water, and is operating a distribution system that is still recovering from the past upset.

Flint should work with its consultant and MDEQ to establish objective water quality and plant performance criteria. The plan must include operation of Flint's drinking water treatment plant for a reasonable period of time to treat KWA-supplied water until:

- (1) the treated water meets finished water quality goals;
- (2) the finished water quality is consistently maintained;
- (3) potential plant operational and mechanical start-up issues are identified and addressed; and
- (4) water plant operations staff are proficient in treating the new source.

KWA water should not be distributed to the public until these conditions are satisfied.

During this performance evaluation period, Flint must distribute to the public water from an alternate source. As water is already received from Detroit (Great Lakes Water Authority), that is an obvious and appropriate choice for that interim period. The length of the performance evaluation period will be dependent on the amount of time it takes for the treatment plant to consistently and reliably meet the performance criteria.

Because of similarities in source water and in treatment processes with Detroit's Huron plant, the Flint water plant will likely be configured to produce treated water with similar quality to that of the water currently being received from Detroit. Continued use of Detroit water during the performance evaluation period will minimize the risk of distribution system upsets.

We encourage Flint and the City's consultant to perform a number of assessments prior to the completion of the KWA pipeline and availability of the Lake Huron source water to expedite the plant transition period. For example, the planned bench-scale jar tests will be helpful in establishing full-scale treatment plant operating parameters. Assessment of corrosion control treatment using Detroit source water with lead pipe loop rigs in advance of switching to the KWA source may also be transferrable to the KWA source water. Pipe loops rigs operated during the performance assessment period will help predict whether lead release will be an issue when the new plant goes on line. EPA will work with the City to set up pipe loops at the Flint treatment plant.

CONTACT: Beth Stuever, stuever@anr.msu.edu or 269-274-1399

MSU Extension and Hurley Children's Hospital release recipe and nutrition resource guide to help people lessen harmful effects of lead

In the wake of growing concerns about exposure to and health impacts of lead in Flint, Michigan State University Extension and Hurley Children's Hospital have released a new nutrition booklet highlighting healthful, cost-effective meals that help lessen the harmful effects of lead. The booklet will be available beginning Saturday December 19, 12:30 p.m. at the Flint Farmers Market.

Joanna Sheill, a registered dietitian with Hurley Wellness Services will be facilitating a cooking demo featuring one of the booklet's recipes – a hearty egg burrito. Free water filters will also be available at the cooking demonstration, courtesy of the Genesee County Health Department.

"Healthy nutrition is one of the most important things we can do to protect our children from lead poisoning," said Dr. Mona Hanna-Attisha, director of the Pediatric Residency Program at Hurley Children's Hospital and MSU College of Human Medicine. "In collaboration with MSU Extension nutrition experts, we have developed this lead-fighting recipe and nutrition resource guide."

The booklets will be available during weekly cooking demonstrations at the Flint Farmers Market in early 2016 and also be distributed by MSU Extension nutrition instructors at free nutrition and cooking workshops and community events throughout Genesee County.

"We are delighted to provide this practical guide and recipe booklet to families to help prevent lead poisoning," said Dawn Contreras, MSU Extension's director of health and nutrition programs. "We want to protect our family members against the harmful effects of lead and an important way of doing that is through good nutrition."

The booklet features 10 healthful recipes that focus on low-cost ingredients, many of which people will likely already have in their pantries and cupboards. Recipes include chocolate strawberry French toast, vegetable lasagna and roasted butternut squash. Contact information for several food assistance programs and other resources in Genesee County, including Women Infants and Children (WIC), Supplemental Nutrition Assistance Program (SNAP) and Double Up Food Bucks is also listed in the booklet.

These programs help families throughout Michigan access healthy, nutritious and low-cost foods and are essential to helping Flint navigate through this challenging time, said Dr. Hanna-Attisha.

The recipes in the booklet are provided via the [Share Our Strength Cooking Matters](#) curricula, which MSU Extension delivers throughout Michigan to help people learn how to eat healthy, cook and grocery shop on a limited budget.

For more information about the nutrition booklet, please contact Dr. Mona Hanna-Attisha at mhanna1@hurleymc.com or MSU Extension Educator Erin Powell at powelle9@msu.edu or 810-244-8536. MSU Extension also offers free nutrition classes in the Flint area, for more details visit msue.anr.msu.edu or call 810-244-8500.

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Flint Drinking Water Action Plan Update

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Key Actions:

DEQ staff set aside additional time this week to address the backlog of FOIA legislative requests.

A conference call with staff from the DEQ, EPA and the city of Flint was held on December 15, 2015 to discuss the transition to the KWA as the city's source of drinking water. EPA indicated that they would provide written recommendations regarding the actions that Flint should take prior to switching to KWA.

On December 18, 2015, staff from the DEQ and DLARA conducted an initial plumbing evaluation of Flint Northwestern and Flint Southwestern High Schools. These two schools are scheduled for a final evaluation and subsequent sampling during the week of December 28th. Due to the extracurricular activities that typically take place on the weekends it was determined that the best time to conduct the sampling would be during the winter school break.

Positions:

There are no new positions to report since last week.

Concerns:

On December 16, 2015 EPA sent an e-mail to Flint City Administrator, Natasha Henderson, outlining the recommended precautionary measures for Flint to implement prior to switching to the KWA for their source water. The list of recommendations is very broad in nature and could potentially costs millions of dollars to implement. In addition the recommendations could potentially delay to switch to KWA by several months. Given the costs associated with implementing these measures, the city will be working to set up a meeting with Harvey Hollins and George Krisztian to discuss funding options, including asking EPA for assistance.

Significant Event:

The DEQ has assigned Eric Pocan to serve as the project manager to assist the city of Flint with providing the documentation necessary for the city to apply for loans under the Drinking Water Revolving Loan fund. A timeline outlining the various steps in the process has been given to the city to assist them in ensuring that all requisite documents are generated and submitted within the necessary deadlines. Additional follow up meetings will be held to assist the city with any issues related to the submission of the required documentation.

FOIA EXEMPT AND ATTORNEY-CLIENT PRIVILEGE

Flint Drinking Water Action Plan Update

Page 2

Changes from Previous Report:

- Final plumbing assessment reports for Price Elementary and Doyle Ryder Elementary schools are being prepared. Staff from the Office of Environmental Assistance are being trained to assist with the preparation of the reports in order to reduce the turnaround time.
- The MSU extension provided a release regarding nutrition and lead. The release provides resources for utilizing nutrition to lessen the effects of lead exposure.
- Staff from DEQ met with staff from the city of Flint on December 18, 2015 to discuss the recommendations made by EPA earlier in the week. The city expressed concern that EPA's recommendations went beyond the requirements of the lead and copper rule. It was agreed that further discussion needed to occur to determine how these recommendations could be funded.
- Staff from DEQ met with the Michigan Association of Local Public Health (MALPH). One of the main topics of conversation was the Flint water situation. Members of MALPH expressed concern that the lead exposure issues were not unique to Flint and that based on the recent article in Bridge magazine the issue was statewide and there were areas in the state that had significantly high lead exposure levels.

Other Items:

Attached is the EPA e-mail to the city of Flint including the document entitled, "Task Force Recommendations Regarding Flint Drinking Water Treatment Performance Evaluation"

Attached is the MSU extension release.

Prepared by: George Krisztian, Flint Action Plan Coordinator
Laboratory Director
Department of Environmental Quality
Telephone: 517-284-6719
Cell: PPI
December 14, 2015

From: Krisztian, George (DEQ)
Sent: Wednesday, December 30, 2015 6:33 AM
To: Bouvy, Mark (MDE)
Subject: Re: Request for water evaluation

Hi Mark,

I will be calling schools during the first and second week in January to schedule them for evaluations

I have your contact information and your facility is on list

I look forward to working with you

George

Sent from my iPhone

On Dec 29, 2015, at 3:03 PM, Bouvy, Mark (MDE) <BOUVYM@michigan.gov> wrote:

George,

I'm just following up in the hope that we can be scheduled for the water testing soon.

Can you please let me know when we can have this happen?

Thanks,

Mark Bouvy, Administrative Manager
Michigan School for the Deaf
Michigan Department of Education
Flint, MI
Voice/text: 810-397-2264

From: Bouvy, Mark (MDE)
Sent: Wednesday, December 09, 2015 10:08 AM
To: Krisztian, George (DEQ) <krisztian@michigan.gov>
Cc: Winkler, Cecelia (MDE) (<winklerc1@michigan.gov> <winklerc1@michigan.gov>
Subject: Request for water evaluation

George,

Please schedule us for the DEQ water evaluation as soon as possible.

As we spoke during our conversation, we are a state public school located in Flint, and we have children from age 30 months through age 26. We have a school that was built in 2012, and two dormitories, one built in 1995 and the other in 1947. We are located at 1235 W. Court Street.

If you need any more information, please let me know.

We look forward to working with you.

Thanks.

Mark Bouvy, Administrative Manager
Michigan School for the Deaf
Michigan Department of Education
Flint, MI
Voice/text: 810-397-2264

From: Krisztian, George (DEQ)
Sent: Monday, January 04, 2016 10:29 AM
To: Thelen, Mary Beth (DEQ); Shaler, Karen (DEQ)
Subject: RE: DEQ MiStat Report for January 2016 - Briefings Due on January 5, 2016, COB
Importance: High

The MiStat Update has been posted to S:\EXEEX_SecureData_Staff\Wyant\2015\Flint Action Plan Updates

The name of the file is "2016-01-04 MiStat Update Flint Drinking Water"

This week's update to the Governor could potentially be added as an attachment but much of the information in the summary is in the governor's report.

Mary Beth, Please take a look to see if this is consistent with what your understanding of what this summary should be.

Thank you
 George

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

From: Thelen, Mary Beth (DEQ)
Sent: Wednesday, December 30, 2015 10:37 AM
To: Schinderle, Jack (DEQ); Krisztian, George (DEQ); Goddard, Matthew (DEQ); Feighner, Bryce (DEQ)
Cc: Sygo, Jim (DEQ); Seymour, Veronica (DEQ); Howes, Sarah (DEQ); Simons, Holly (DEQ); Seratt, Donna (DEQ); Pallone, Maggie (DEQ); Anderson, Madhu (DEQ); Copen, Leigh (DEQ); Feuerstein, Heather (DEQ); Wyant, Dan (DEQ); Allan, Jon (DEQ); Vaughn, Kari (DEQ); Shaler, Karen (DEQ)
Subject: RE: DEQ MiStat Report for January 2016 - Briefings Due on January 5, 2016, COB

If you haven't already prepared your information, please make sure you do so by the deadline. This is very important that we stay on time and on track with these briefings.

Thank you.

From: Thelen, Mary Beth (DEQ)
Sent: Tuesday, December 15, 2015 7:00 PM
To: Schinderle, Jack (DEQ); Krisztian, George (DEQ); Goddard, Matthew (DEQ); Feighner, Bryce (DEQ)
Cc: Sygo, Jim (DEQ); Seymour, Veronica (DEQ); Howes, Sarah (DEQ); Simons, Holly (DEQ); Seratt, Donna (DEQ); Pallone, Maggie (DEQ); Anderson, Madhu (DEQ); Copen, Leigh (DEQ); Feuerstein, Heather (DEQ); Thelen, Mary Beth (DEQ); Wyant, Dan (DEQ); Allan, Jon (DEQ); Vaughn, Kari (DEQ); Shaler, Karen (DEQ)
Subject: DEQ MiStat Report for January 2016 - Briefings Due on January 5, 2016, COB

The Governor has scheduled the QOL Directors to attend the next MiStat meeting mid-January.

The Director has asked that the following topics be added to the MiStat report for January:

1. Permit Metrics – **Jack** – please prepare short-concise briefing on this issue for the MiStat report.
2. Flint Drinking Water – **George**, please prepare a short update on this issue – we might just be able to include the Monday briefing that we send on January 4.
3. Pipeline Safety - **Matt**, please prepare a short-concise briefing on this issue. What we have done thus far.
4. Recycling – **Bryce** – please share a short-concise briefing on this issue. What is new to date, the January meeting, the May Summit, Status of Recycle by Design, etc. and anything else you feel the Governor should be aware of.

The information should be as up-to-date as possible (close to the due date) and should be 1-3 paragraphs or no longer than one page, not too long for the Governor. Please prepare the briefing document as assigned above, a Word document in Arial 12, and proofread by your management assistant. All you need is the subject and then your paragraphs. Please send to Jack Schinderle, Donna Seratt, and me **by Tuesday, January 5, COB**. Donna of OEA will put together the full QOL report as I need to send it to the Governor's office by Thursday, January 7.

With the holidays approaching, please make sure you mark your calendar to work on this assignment over the holidays if you are here or on Monday, January 4 when you return back to the office. It is important that we meet the Governor's office deadline.

Thank you for working on these short briefings.

Mary Beth

Mary Beth Thelen
 Management Assistant to Director Dan Wyant
 Department of Environmental Quality
 Constitution Hall, 6th Floor South
 Phone: 517-284-6712 or 284-6700 (new numbers)
 Fax: 517-241-7401
Thelenm2@michigan.gov

From: Bouvy, Mark (MDE)
Sent: Wednesday, December 09, 2015 10:09 AM
To: Krisztian, George (DEQ)
Cc: Winkler, Cecelia (MDE)
Subject: Request for water evaluation

Follow Up Flag: Follow up
Flag Status: Flagged

George,

Please schedule us for the DEQ water evaluation as soon as possible.

As we spoke during our conversation, we are a state public school located in Flint, and we have children from age 30 months through age 26. We have a school that was built in 2012, and two dormitories, one built in 1995 and the other in 1947. We are located at 1235 W. Court Street.

If you need any more information, please let me know.

We look forward to working with you.

Thanks.

Mark Bouvy, Administrative Manager
Michigan School for the Deaf
Michigan Department of Education
Flint, MI
Voice/text:

PPI

From: Michael Glasgow [mglasgow@cityofflint.com]
Sent: Thursday, December 03, 2015 2:21 PM
To: Krisztian, George (DEQ)
Subject: School Testing

Follow Up Flag: Follow up
Flag Status: Flagged

George,

I have been contacted in regards to testing from the Genesee Intermediate School District for their Head Start Programs. Here is the list of schools and contact information.

- GHSD Learning Center, 1221 E. Bristol Road, Burton 48529
- Cathedral of Faith, 6031 Dupont, Flint 48505
- Summerfield , 1360 Milbourne Avenue, Flint 48504
- Manley, 3002 Farley Street, Flint 48507
- Stalker, 3329 Burnell Avenue, Flint 48504
- Mott College, Head Start portable unit, 1401 E. Court Street, Flint 48503

Susan D. Fleming, Ph.D.
Early Childhood Director, Birth to Third Grade
Health, Safety and Nutrition Services
Genesee Intermediate School District
810-591-5716

—
Mike Glasgow
Utilities Administrator
City of Flint
1101 S. Saginaw St.
Flint, MI 48502
(810)766-7135 ext. 2602

From: Maintenance, Powers <maintenance@powerscatholic.org>
Sent: Tuesday, November 17, 2015 3:14 PM
To: Krisztian, George (DEQ)
Subject: Plumbing Testing

Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Krisztian,

Luke M. Powers High School, located at 1505 W. Court St. Flint, Mi. would like to get on your list of schools to have our plumbing tested for possible lead contaminates.

My name is Paul Bosak, my cell phone number is PPI

I understand, from our phone conversation today that this process might not happen for two to three months.

I'm looking forward to meeting you or your staff.

Thank You in advance,

Paul Bosak

From: Michael Glasgow <mglasgow@cityofflint.com>
Sent: Monday, November 02, 2015 5:18 PM
To: Krisztian, George (DEQ)
Subject: School testing for lead & copper

Follow Up Flag: Follow up
Flag Status: Flagged

George,

I have recently received some inquiries regarding lead & copper testing at a couple of local schools and wanted to pass along the information. The International Academy of Flint had collected samples using our process for residential homes, while we were offering free testing to residents. If there is anything I can do to help facilitate testing, please let me know.

1. International Academy of Flint, 2820 S. Saginaw St. Flint, MI 48503 (810) 600-5000.
2. St. Paul Lutheran, 402 S. Ballenger Hwy. Flint, MI 48532 (810) 239-6733

Thank you,

--

Mike Glasgow
Utilities Administrator
City of Flint
1101 S. Saginaw St.
Flint, MI 48502
(810)766-7135 ext. 2602