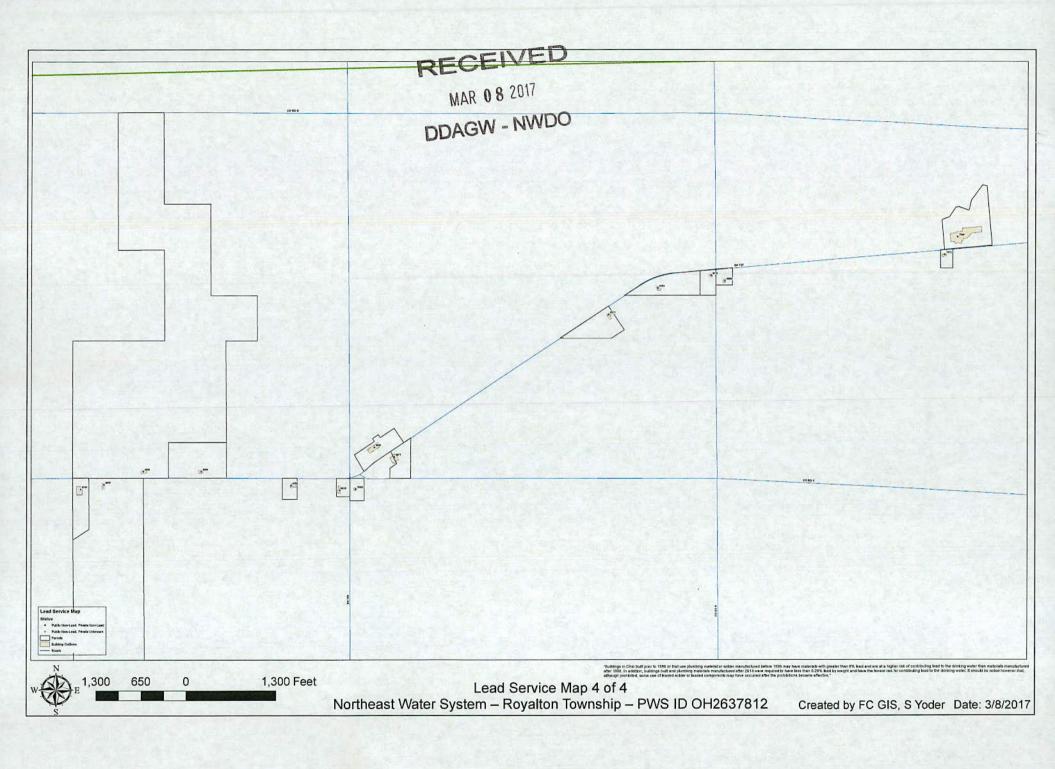
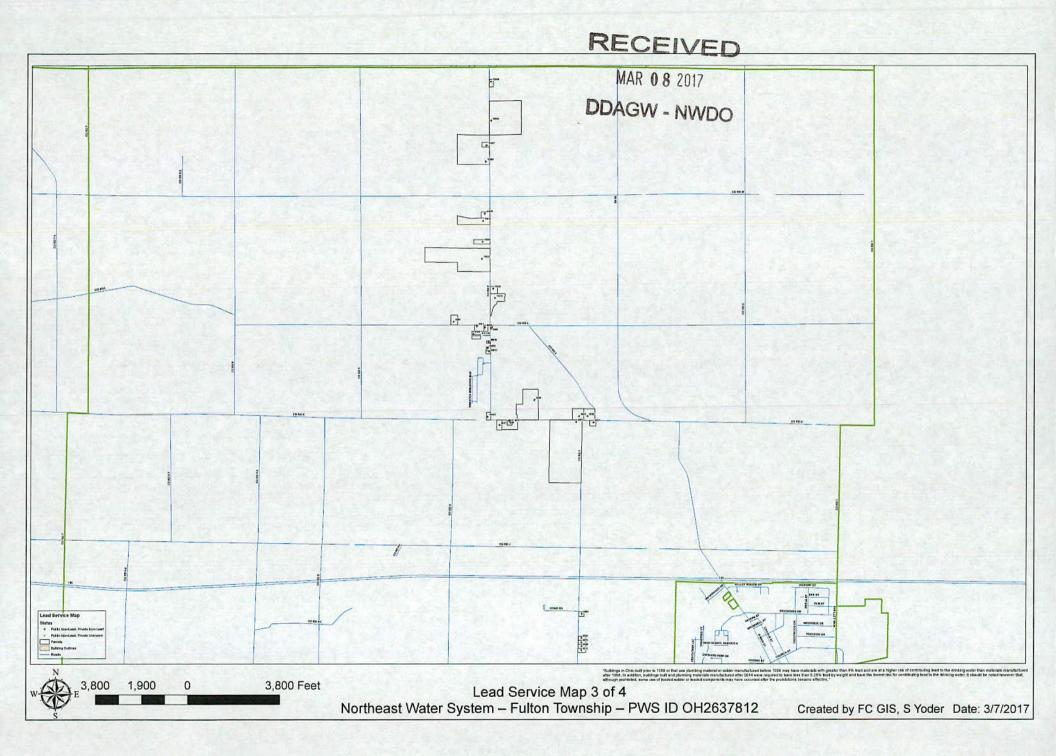
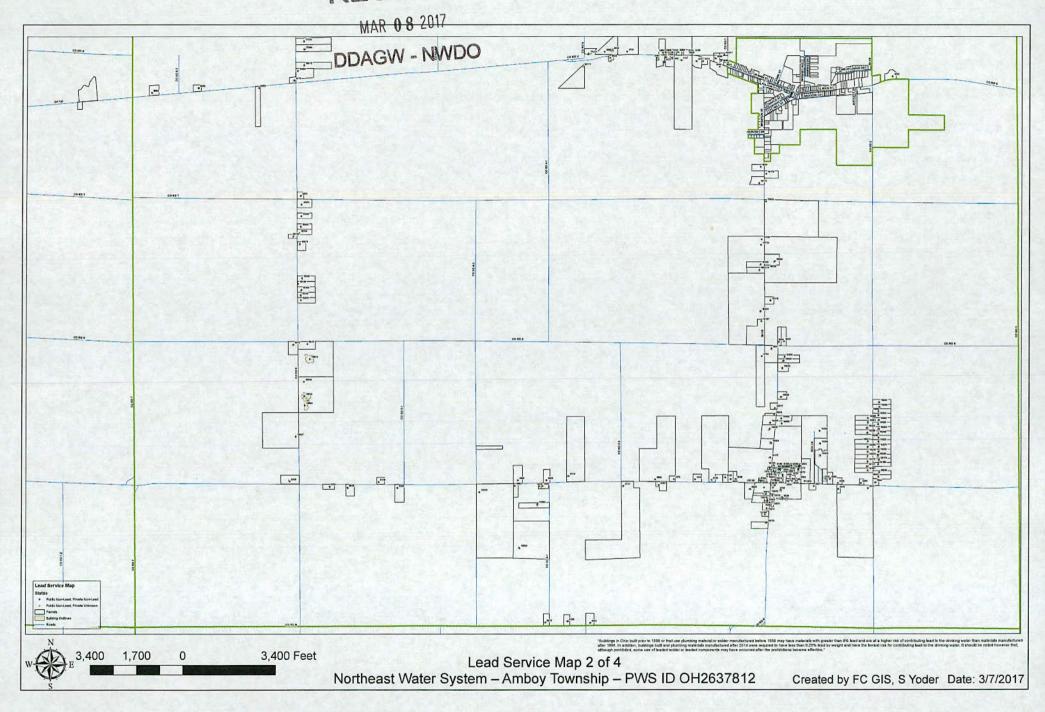
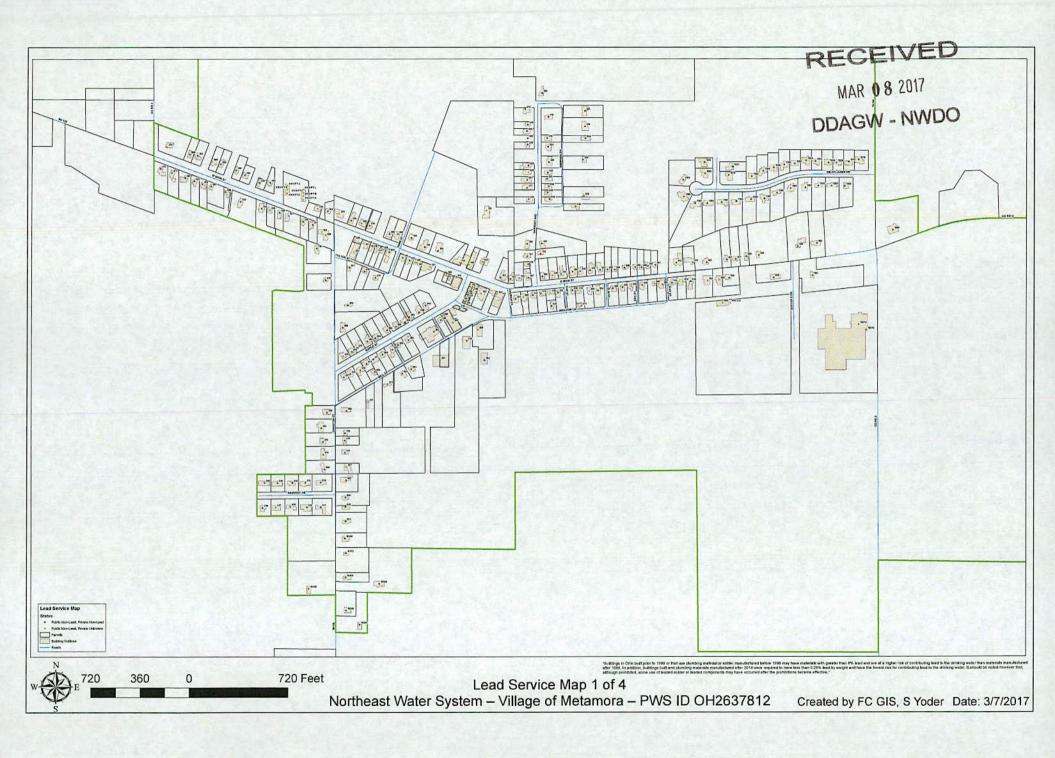
Northeast Water System Report Drinking Water Program Fulton County PWS ID: OH2637812 RE:





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VERIFICATION FORM FOR COMMUNITY PUBLIC WATER SYSTEMS CLAIMING NO LEAD SERVICE LINES

The owner or operator of all community public water systems must identify and map areas of their distribution system that are known or are likely to contain lead service lines. Systems must submit a copy of the applicable map to the Ohio Department of Health and the Ohio Department of Job and Family Services. Systems must also submit a report to the director containing at least both of the following: (1) The applicable map with narrative, and (2) A list of sampling locations used to collect samples as required by Ohio Revised Code (ORC) Section 6109.121 and any rules adopted thereunder, including contact information for the owner and occupant of each sampling site.

Should a water system determine no lead service lines exist in their distribution system, they must provide information stating they reviewed, at the minimum, historical permit records and local ordinances, distribution maintenance records and information pertaining to installation dates or materials for all services lines. This information must be verified below.

I HEREBY CERTIFY THAT THE FOLLOWING METHOD(S) WERE USED TO DETERMINE NO LEAD SERVICE LINES EXIST IN THIS WATER SYSTEM'S DISTRIBUTION SYSTEM, AS REQUIRED BY ORC 6109.121(F):

LEAD SERVICE LINE VERIFICATION

This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following):

- Historical permit records and/or local ordinances
- Distribution maintenance records (i.e. meter replacement, waterline break repairs)
- ☑ Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned)
- Service line material of all service lines is known (i.e. all service lines are known to be PVC)

Fisher	3-7-2017		
Signature of Responsible Person	Date		Northeast Water System
Ziad Musallam, Director & Operator-of-Record		PWS ID:	OH2637812 Fulton
Printed Name and Title of Responsible Person		JOOK!!	1 ditori

For Oh	io EPA use	only		
T. OF COL	ers opredaced			
Date Ve	rification Rec	'd		
	ina Varifian	tion Form B	evised 2/14/17	Alexander (A. A.) San

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LEAD SERVICE LINE CERTIFICATION

WATER SYSTEM Northeast Water System

OWNER Fulton County Commissioners

PWS ID OH2637812

SERVICE AREA Amboy TWP, Fulton TWP, Royalton TWP, Village of Metamora

This lead service line certificate applies to all current premises that are served by the above listed water system. Based on the following documents, this water system has no records of lead service lines within the current service area:

- Village of Metamora Service Line Specifications Copper or PVC service line materials before 2010 Email Included.
- Fulton County Service Line Specifications Copper or PVC service line materials after 2010 Specifications Included.
- Water Meters Replacement Project New meters installed in the existing service lines 2013 Project Summary Sheet Included.
- 4. Various Water Main Break / Service Line Leak Repair Copper or PVC service line materials.
- Evergreen Local Schools Lead Testing Lead testing program 2016 Email Included.

The water meters replacement project, water main break work and service line leak repair work to which this certificate applies has been inspected and observed by an authorized representative of the Fulton County Public Utilities Department.

Ziad Musallam, PE

Director/Sanitary Engineer & Operator-of-Record

Signature:

Date

3-7-2017

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Ziad Musallam

From:

metamora@embargmail.com

Sent:

Thursday, February 2, 2017 2:05 PM

To:

Ziad Musallam

Subject:

Re: Lead Service Mapping

Ziad,

I do not have information pertaining to possible lead service lines or lead plumbing unless the crew putting in meter pits noticed lead service lines. I am unaware of any ordinance pertaining to banning the use of lead as part of plumbing materials. Copper or PVC were materials accepted for the installation of sewer and water taps. The village does not issue building permits or plumbing permits, we just issue zoning permits.

Sorry I can't offer more assistance.

Sue C.

From: Ziad Musallam

Sent: Tuesday, January 31, 2017 11:47 AM

To: Sue Clendenin

Subject: Lead Service Mapping

Sue,

I am in the process of completing the Lead Service Line and Fixture Mapping for the Northeast Water System (including the Village of Metamora), as required by the Ohio EPA and HB 512. As part of this mapping, we have to identify areas that are known or likely to have lead service lines and lead plumbing. Most of this data can be found in the plumbing code and building permit inspection records. Does the Village of Metamora have a plumbing/building code and inspection records of the existing developed properties within the Village's Corporation Limits? Also, has the Village ever issued a ban on the use of lead as part of the plumbing materials? Let me know if you have any questions or need more information. Thank you.

Ziad Musallam, PE
Director/Sanitary Engineer
Fulton County Public Utilities
9306 County Road 14, Suite A
Wauseon, OH 43567
Phone 419-337-9263
Fax 419-337-9269
zmusallam@fultoncountyoh.com



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FULTON COUNTY NORTHEAST WATER SYSTEM SERVICE LINE & METER SPECIFICATIONS

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- A. A water "service line" is the combination of a service connection (public portion) and a service lateral (private portion). A service connection is the conduit which conveys water from the public water main to the curb stop/meter pit (property line). A service lateral is the privately owned conduit which conveys water from the meter pit to the structure to be serviced.
- B. The service connection (public) portion and service lateral (private) portion of the service line shall be installed in accordance with these specifications as noted throughout this section.
- C. Approved contractors installing/connecting a new service connection (public portion), including all public appurtenances, to a public main shall guarantee the workmanship and materials of said service connection and appurtenances for a period of one (1) year from the date of final inspection by the County. In the event a problem occurs within the one (1) year warranty period, the installer and/or property owner shall make all necessary repairs as soon as reasonably possible but no later than 24 hours of notification from the County. If any problems occur that constitute an emergency which may jeopardize the public system, the Sanitary Engineer may elect to make the emergency repairs and invoice the original installer of the service connection and/or the property owner for all labor, equipment, and materials cost incurred by the County. Said invoice shall be due and payable by the installer and/or property owner within 30 days of the date of said invoice. Invoices not paid in the designated time period shall be assessed a 10% penalty.
- D. All work shall be inspected by an authorized representative of the Sanitary Engineer. The property owner or contractor shall give the Sanitary Engineer 2 business day notice prior to commencing work. No work shall be covered until the inspector has reviewed, documented, and approved the work. Any work covered prior to approval shall be uncovered as directed by the inspector by the contractor at their expense.
- E. All locations of service lines and appurtenances shall be subject to the approval of the Sanitary Engineer or his authorized representative.
- F. The service line shall not be installed within ten (10) feet horizontal distance of a sanitary sewer. If the ten (10) feet horizontal distance cannot be maintained, one of the following conditions shall be met:
- The service line shall be installed in a separate trench from the sanitary sewer and shall be maintained at eighteen (18) inches (minimum) vertical distance above the crown of the sanitary sewer (while maintaining service line depth requirements); or,
- 2. The sanitary sewer pipe shall be constructed of (or encased in) water line quality pipe which will withstand a 50 psi water pressure test (i.e. PVC SDR 21 or 26). The water service line shall also maintain a three (3) feet minimum horizontal distance from all other utilities (other than sanitary sewer).
- G. Water mains and service lines shall be bedded with fine granular material (fine dirt, sand, fine stone) free of lumpy, frozen, sharp, or other large material that may cause damage to the service line. Water main and service line trenches shall be backfilled with material free of lumpy, frozen, sharp, or other large material that may cause damage to the pipe. Extreme care shall be taken when backfilling the trench so as to not damage the pipe.
- H. It is recommended that property owners install and maintain a pressure reducing valve in their service lateral to reduce potential problems on their premises that may occur due to high and/or fluctuating pressures in the water distribution system.
- I. It is recommended that property owner install and maintain a pressure (expansion) tank in their service lateral to control the potential build-up of pressure in their service lateral and/or hot water tank since

pressure reducing valves and backflow prevention devices (in meter pit) will not allow for expansion of heated water back into the public water main.

- J. It is recommended that the property owner install a "tracer" wire over top of any non-metallic service lateral conduit or private water main (i.e. polyethylene tubing, PVC...) so the service lateral can be "located" in the future, if needed. It is suggested that #12 AWG THHN/THWN insulated copper wire be installed over the conduit.
- K. Service Connections shall meet the following standard specifications (AWWA approved material):

SIZE: Service connections shall not be less than one inch (1") in diameter.

DEPTH: Service connections shall have four feet (4') of cover over the pipe.

SERVICE SADDLES: Stainless steel service saddles as specified shall be required when tapping any PVC water main:

1" - 2"

Mueller, BR2S & BR2W saddle with stainless steel double straps

3" & larger

As approved by Sanitary Engineer

CORPORATION STOPS:

1" Mueller, Model H-15008

1 ½" - 2" Mueller, Model H-15013

3" & larger Mueller, Stainless Steel Tapping Sleeve (4"-24") or approved equal

SERVICE CONNECTION PIPE:

1" Type "K" Copper with compression fittings only

1 ½" - 2" Polyethylene Tubing (AWWA C901, SDR 9)

- Pressure Class 200 (CTS) ASTM D2737

- Mechanical compression connections

- Insert stiffeners for connections required

- Use copper piping if service line is under the road

3" & larger

PVC AWWA C-900 (4" and larger diameter),

- Gasketed joints (AWWA C111/A21.11)

CURB STOPS:

1" - 2" Mueller, Model H-15219 (Compression Style) with operating valve riser

3" - 12" Kennedy, "Ken Seal II" Gate Valve

- resilient wedge seated gate valve w/non-rising stems

CURB BOXES:

Mueller, Model H-10308 (Arch Pattern Base)

- minimum of 48" extended length

lid shall read "WATER"

1 1/2" - 2" Mueller, Model H-10310 (Arch Pattern Base)

- minimum of 48" extended length

- lid shall read "WATER"

3" & larger Tyler Brand (3-piece) or equal and as approved

- lid shall read "WATER"

L. Meter Pits and Meter Pit Appurtenances to be owned and operated by the County shall meet the following standard specifications:

METER PITS/VAULTS:

LOCATION: All County read, owned, operated, and maintained meter pits shall be installed within three (3) feet off the road right-of-way or easement unless otherwise approved by the Sanitary Engineer based on a location conflict.

3/4" - 1" Mid States Plastics, Inc. (meter pit housing) or approved equal

- 5/8" minimum 20" in diameter and 36" in depth

- ¾" & 1" minimum 22" in diameter and 36" in depth

- 4" diameter cut outs in bottom to accommodate service line

Mid States Plastics, Inc. (lid), Mueller H-10814-09, or approved equal

- MS-1L1-SN plastic meter lid w/radio read module

- H-10814-09 w/radio read module

1 1/2" - 2" PVC pipe or reinforced concrete pipe material

- minimum 36" in diameter and 36" in depth (length)

- 4" diameter cut outs in bottom to accommodate service line

Mid States Plastics, Inc. (lid), Mueller H-10814-09, or approved equal

- MS-1L1-SN plastic meter lid w/radio read module

- H-10814-09 w/radio read module

3" & larger Precast concrete manhole ASTM C478; or,

Precast concrete vault ASTM C858 or ASTM C857

- typical internal dimensions shall be 7' 6" x 6' 6" unless otherwise approved by the Sanitary Engineer - shall have a concrete "solid" bottom - shall have water tight boots where pipes go through walls - piping shall be ductile iron

-East Jordan Model 1670 frame/lid or approved equal

- shall be able to accommodate a radio read ERTS for each meter in the manhole or vault.

- radio reading ERTS hole (1 7/8")

- lid shall read "WATER METER"

METER SETTING:

5/8" 3/4", & 1" Mueller, H1470-2A copper meter yoke with horizontal compression inlet/outlet & 15"

riser height

1 ½" - 2" Mueller, H-1422-2 copper meter yoke with flanged inlet/outlet & 15" riser height

3" & larger As agreed upon by the meter manufacturer and the County

typically a flanged connection on each end
shall have an inlet and outlet gate valve

- shall have an approved backflow preventor device valve (separate)

M. Meter Specifications - Fulton County Water System utilizes a radio read metering system. All meters are to register in U.S. gallons. The meters shall display all flows in 1000 gallons and be as specified below:

5/8" & 3/4" Badger Orion RTR Transmitter – fully potted AMR Model M25

Positive displacement, magnetic drive, ext. threaded spuds

3/4" x 3/4" Badger Orion RTR Transmitter – fully potted AMR Model M35

Positive displacement, magnetic drive, ext. threaded spuds

Badger Orion RTR Transmitter - fully potted AMR Model M70

Positive displacement, magnetic drive, ext. threaded spuds

Badger Orion RTR Transmitter - fully potted AMR Model M120

Positive displacement, magnetic drive, flanged ends

1"

1 1/2"

2" (regular) Badger Orion RTR Transmitter – fully potted AMR Model M170

Positive displacement, magnetic drive, flanged ends

- used for consistent flows

2"-6" (compound) Badger Orion RTR Transmitter - Recordall Compound Series Positive displacement,

magnetic drive, flanged ends

- used for applications w/fluctuating flows

8" (compound) Badger Orion RTR Transmitter – Recordall Combo

Positive displacement, magnetic drive, flanged ends

- used for applications w/fluctuating flows

FULTON COUNTY PUBLIC UTILITIES QUANTITIES DETAILS 5/24/2013

PROJECT:

Northeast Water System - Water Meters Upgrade

OWNER:

Fulton County Commissioners

CONTRACT NO:

2012-156

CONTRACTOR:

Mika Constrcution, Inc.

ENGINEER'S ESTIMATE:

\$ 325,000.00

INITIAL CONTRACT AMOUNT:

\$ 343,622.07

CURRENT CONTRACT AMOUNT:

\$ 309,589.63

NET CHANGE IN CONTRACT AMOUNT:

\$ (34,032.44)

PAY REQUEST

Ψ (01,002.41)

Final - Retainage Release

				Sometical	Total
telm Me	Dischington 1997	United	Type	oly .	any.
1	1 inch Tap – Long	EA		2	1.
2	1 inch Tap - Short	EA		2	0
3	5/8"x3/4" Inside Meter Upgrade Type 1	EA	1	5	16
4	5/8"x3/4" Inside Meter Replacement Type 2	EA	2	29	52
5	5/8"x3/4" Outside Meter Upgrade Type 3	EA.	3	1	1
6	5/8"x3/4" Outside Meter Replacement Type 4	EA	4	1	2
7	3/4" Service Upgrade Type 5	EA	5	293	255
8	1" Inside Meter Upgrade Type 6	EA	6	2	5
9	1" Inside Meter Replacement Type 7	EA	7	1	4
10	1" Outside Meter Upgrade Type 8	EA	8	1	1
11	1" Outside Meter Replacement Type 9	EA	9	1	0
12	1" Service Upgrade Type 10	EA	10	64	53
13	1 1/2" Inside Meter Upgrade Type 11	EA	11	2	0.
14	1 1/2" Inside Meter Replacement Type 12	EA	12	3	1
15	1 1/2" Outside Meter Upgrade Type 13	EA	13	2	0
16	1 1/2" Outside Meter Replacement Type 14	EA	14	2	0
17	1 1/2" Service Upgrade Type 15	EA	15	1	1.
18	1 1/2" to 1" Meter Adopter Set	EA		0	0
19	1" to 5/8"x3/4" Meter Adopter Set	EA		0	13
20	2" to 1" Meter Adopter Set	EA		0	1
21	2" to 1 1/2" Meter Adopter Set	EA		0	1
Total				412	407

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Ziad Musallam

From:

Jim Wyse <jwyse@evgvikings.org>

Sent:

Wednesday, February 1, 2017 8:00 AM

To:

Ziad Musallam Brent Miller

Subject:

Re: Lead Service Mapping

Attachments:

CWS_Lead_Testing_Results_10_13_2016.pdf

Ziad,

We do not know of any lead piping at Evergreen Local Schools. This fall we tested our water at our complex for lead. Lead was either not detected or the level when detected was at the lowest possible reading. See the attached report showing the results of the testing. Please let me know if you need anything else from me.

Sincerely,

Jim Wyse, Superintendent Evergreen Local Schools Jwyse@evgvikings.org

PLEASE NOTE: This email message and any response to it may constitute a public record (ORC 149.43). If you are not the intended recipient, please contact the sender by replying to this email and destroying all copies of the original message.

From: Ziad Musallam < zmusallam@fultoncountyoh.com >

Date: Tuesday, January 31, 2017 at 2:12 PM To: Jim Wyse < Evergreen S@nwoca.org >

Subject: Lead Service Mapping

Jim,

I am in the process of completing the Lead Service Line and Fixture Mapping for the Northeast Water System (including Evergreen Schools facilities), as required by the Ohio EPA and HB 512. As part of this mapping, we have to identify areas that are known or likely to have lead service lines and lead plumbing. Please confirm if lead is or isn't present as part of the plumbing materials of the Evergreen School facilities? Based on our field notes when the Northeast Water System was constructed in 2009/2010, the service taps/lines that connect the individual buildings to the water main were ductile and PVC – no lead lines were noted. Let me know if you have any questions or need more information. Thank you.

Ziad Musallam, PE
Director/Sanitary Engineer
Fulton County Public Utilities
9306 County Road 14, Suite A
Wauseon, OH 43567
Phone 419-337-9263
Fax 419-337-9269
zmusallam@fultoncountyoh.com

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CWS ENVIRONMENTAL

1304 Relimit Drive Bowling Green, Olf 43402 www.clnwtr.com

Phone: 419-352-6870 / Fax: 419-352-7145 Toll free: 1-866-352-6870 Our 47th Year of Service

Remit to: P O Box 514 Perrysburg, OH 43552-0514

DATE:

October 13, 2016

CLIENT:

EVERGREEN LOCAL SCHOOLS

14544 Co. Rd. 6 Metamora, Ohio 43540

Below are the results of analysis of the indicated sample(s) submitted to this laboratory:

Project: Evergreen Middle School/School Pb Program

Purchase order number:

Project account code: 271

Sample I.D. AH32022 Sample Collector: CLIENT Location Description: Drinking Fountain by Room 110 - Hiddle School

Collection Date: 9/26/2016

Collection Time: 05:30 Received by: CF

Lab Submittal Date: 9/27/2016 Location code: CWSDW

Submittal Time: 15:50 Validated by: SA

Validation date: 10/05/2016

PQL AN DATE AN REF METHOD TEST PARAMETER RESULT ug/l. 10/04/16 VPW SM 3113-B LEAD, TOTAL Not detected

Sample I.D. AH32023 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: Upstairs Drinking Fountain - Hiddle School Collection Date: 9/26/2016 Collection Time: 05:35 Submittal Time: 15:50 Received by: CF

Validated by: SA

Validation date: 10/05/2016

TEST PARAMETER LEAD, TOTAL

RESULT UNITS PQL AN DATE AN REF METHOD 10/04/16 VPW SM 3113-B Not detected ug/1.

Sample I.D. Ali32024 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: Back Middle Sink Room 211 - Hiddle School Collection Time: 05:40 Collection Date: 9/26/2016 Received by: CF Submittal Time: 15:50

Validated by: SA

Validation date: 10/05/2016

TEST PARAMETER LEAD, TOTAL

POL ANDATE AN REFMETHOD RESULT 10/04/16 VPW SM 3113-B Net detected Hg/L

Sample I.D. AH32025 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location Description: Office Sink - Hiddle School Collection Date: 9/26/2016

Collection Time: 05:45 Received by: CF

Location code: CWSDW TEST PARAMETER

Submittal Time: 15:50 Validation date: 10/05/2016 Validated by: SA

AN DATE AN REF METHOD 10/04/16 VPW SM 3113-B RESULT UNITS POL Not detected LEAD, TOTAL

MAR 08

Clean Water Service, Inc. October 07, 2016 Page 2 of 3

Sample I.D. AH32026 Sample Collector. CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: Boys Locker Room - Addle School Collection Date: 9/26/2016 Submittal Time: 15:50

Collection Time: 05:50 Received by: CF Validation date: 10/05/2016

AN DATE AN REF METHOD TEST PARAMETER PQL RESULT 10/04/16 VPW SM 3113-B ug/L LEAD, TOTAL

Sample I.D. AH32027 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: Kitchen North Sink - Hiddle School Collection Date: 9/26/2016 Submittal Time: 15:50

Validated by: SA

Validated by: SA

Collection Time: 05:50 Received by: CF. Validation date: 10/05/2016

ANDATE AN REFMETHOD RESULT UNITS PQL. TEST PARAMETER 10/04/16 VPW SM 3113-B Not detected LEAD, TOTAL up/L

Sample I.D. AH32028 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: South Cafe Drinking Fountain - High School Collection Time: 06:10 Collection Date: 9/26/2016 Submittal Time: 15:50 Received by: CF Validation date: 10/05/2016 Validated by: SA

AN DATE: AN REF METHOD TEST PARAMETER RESULT UNITS PQL 10/04/16 VPW SM 3113-B LEAD, TOTAL Not detected ug/L

Sample I.D. AH32029 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: Kitchen Prep - High School Collection Date: 9/26/2016 Submittal Time: 15:50 Validated by: SA

Collection Time: 06:15 Received by: CF Validation date: 10/05/2016

AN DATE AN REF METHOD TEST PARAMETER RESULT UNITS POL 10/04/16 VPW SM 3113-B LEAD, TOTAL Not detected ug/L

Sample I.D. AH32030 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: Drinking Fountain 2nd/3rd Room - Elem. School Collection Date: 9/26/2016 Collection Time: 06:25 Received by: CF Submittal Time: 15:50 Validated by: SA Validation date: 10/05/2016

UNITS POL ANDATE AN REFMETHOD TEST PARAMETER RESULT 10/04/16 YPW SM 3113-B LEAD, TOTAL Not detected ug/L

Sample LD. AH32031 Sample Collector: CLIENT Lab Submittal Date: 9/27/2016 Location code: CWSDW

Location Description: Kitchen Prep Sink - Elem. School Collection Date: 9/26/2016 Submittal Time: 15:50

Validated by: SA

Collection Time: 06:30 Received by: CF Validation date: 10/05/2016

AN DATE AN REFMETHOD 10/04/16 VPW SM 3113-B RESULT UNITS PQL TEST PARAMETER LEAD, TOTAL Not detected ug/L

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Footnote:

Score below 4 is Now-Lectalle Score of 4 is lowest score detectable Score of 15 - Need to take action to address lead contamination