COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH

B. Cameron Webb, MD, JD
State Health Commissioner

OFFICE OF DRINKING WATER

Richmond Field Office

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OFFICIAL ELECTRONIC MAIL; NO HARD COPY TO FOLLOW

SUBJECT: Louisa County
Water: Louisa County Zion Crossroads
PWSID No.: 2109990

August 28, 2026

Louisa County Water Authority

Attn: Pam Baughman, General Manager
23 Loudin Lane
Louisa, VA 23093

Dear Ms. Baughman,

The Virginia Department of Health, Office of Drinking Water (ODW) has received ten lead and copper "first draw" tap sample results for the subject waterworks. You submitted these results in accordance with Lead and Copper Rule monitoring requirements of the Virginia *Waterworks Regulations*, 12VAC5-590-10 et seq. With these results, the waterworks has now completed monitoring for the 2024 - 2026 triennial monitoring period. ODW has summarized the results of this monitoring in the table below:

Monitoring Period	Lead 90th Percentile (Action Level: 0.015 mg/L)	Copper 90th Percentile (Action Level: 1.3 mg/L)
2024 - 2026 Triennial	0.003 mg/L- **PASSED**	0.14 mg/L- **PASSED**

The above summarized results indicate 90th percentile lead and copper concentrations were below the established Action Levels. The Lead and Copper Rule Improvements (LCRI) were finalized by the US EPA on October 8, 2024 and will take effect on November 1, 2027. Some provisions of the Lead and Copper Rule Revisions (LCRR) were also delayed until November 1, 2027, by the LCRI. ODW will base your future tap sampling schedule on your updated sample site plan to comply with the LCRR and LCRI.
This is a reminder that the waterworks owner is required to provide consumer notification to the occupants of the residence or building where the tap was tested by direct mail or hand delivery as soon as practical, but no later than **30 days** from the date the laboratory informed you of the sample results. See 12VAC5-590-405 D 4.

After you notify the consumers at each sample location, you must complete a "Lead Results Delivery Certification" form and return it to ODW along with a sample of the notification sent to participating consumers. The Certification form and a copy of one sample notification must be submitted to ODW within three months from the end of the monitoring period or no later than **December 31, 2026**. See 12VAC5-590-532 G 3.

You may obtain the consumer notification template and delivery certification form from ODW's website: https://www.vdh.virginia.gov/drinking-water/office-of-drinking-water/information-for-waterworks-owners/

ODW is available to assist you with complying with the requirements of the Lead and Copper Rule. Should you have any questions, please do not hesitate to contact Lydia Belser at (804) 910-6111 or via email at Lydia.belser@vdh.virginia.gov.

Sincerely,

Lydia Belser, Envi Spec Sr- PWS
Richmond Field Office

LB:tb

cc: Louisa County Health Department-attn: Environmental Health Manager (LouisaEH@vdh.virginia.gov)
County Administrator- Christian Goodwin (cgoodwin@louisa.org)
Chris Compton, Operator (ccompton@louisa.org)

Attachments:

A. Community Water System Lead and Copper Template
B. Lead Results Delivery Certification
C. 90th Percentile Results

[Waterworks Letterhead]

[Date]

Dear *[Consumer's Name]*,

[Waterworks Name] Waterworks appreciate your participation in the lead and copper tap monitoring program. This letter is to report the lead and copper results from the sample collected at your residence, *[address of customer]* on *[date]*. The reported lead result for your residence is *[select one & insert result- xxx parts per billion (ppb) or xxx mg/L]*. The Action Level for lead is 15 ppb or 0.015 mg/L.

Some individual homes may have high lead concentrations while the 90th percentile value for the entire waterworks is below the Action Level. These individual site lead levels may be due to conditions unique to the individual home, such as the presence of lead solder or brass faucets, fittings, and valves that may contain lead. Our waterworks strives to keep the corrosivity of our water as low as possible (since corrosive water can cause lead to leach from plumbing materials that contain lead). Additionally, there are actions you can take to reduce your exposure. We strongly urge you to review the enclosed Consumer Notice and take the steps listed to reduce your exposure to lead in drinking water.

Optional: The reported copper result for your residence is *[select one & insert result- xxx parts per billion (ppb) or xxx mg/L]*. The Action Level for copper is 1.3 mg/L.

Copper is an essential nutrient, but some people who drink water containing copper in excess of the Action Level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the Action Level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

If you have any questions, please contact *[name of waterworks contact]* at *[phone number]* or *[email address]*.

Sincerely

(Waterworks Signature Block)

Enclosure: Consumer Notice

Consumer Notice
LEAD IN DRINKING WATER

Lead is a common metal that has been in many consumer products but is now known to be harmful to human health if ingested or inhaled. It can be found in lead-based paint, air, soil, household dust, food, some types of pottery, and drinking water. Lead is rarely found in natural sources of water such as rivers, lakes, wells or springs.

Health Effects of Lead

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

Steps You Can Take To Reduce Your Exposure to Lead in Your Water

Lead may work its way into drinking water after the water entered the distribution system and is on its way to consumers taps. This usually happens through the corrosion of materials containing lead in household plumbing. These materials include brass faucets, lead solder on copper pipes, lead pipes, or lead service lines connecting the water main to the inside plumbing. Lead pipes are no longer installed for service lines or in household plumbing and lead solder has been outlawed in Virginia since 1985. If you live in a building in which the inside plumbing contains lead-based materials, there are several steps you can take to reduce your exposure to lead in drinking water.

1. ***Run your water to flush out lead.*** If water hasn't been used for several hours, allow the water to run at the tap for 30 seconds to 2 minutes before using it for drinking or cooking. This action flushes the lead-containing water from the pipes. The water you run from drinking water taps does not have to be wasted. You can use this water for cleaning purposes or for watering plants. You may want to keep a container of drinking water in your refrigerator, so you don't have to run water every time you need it.
2. ***Use water from the cold water tap for cooking and preparing baby formula.*** Do not cook with or drink water from the hot water tap; lead dissolves more easily in hot water. Do not use water from the hot water tap to make baby formula.
3. ***Do not boil water to remove lead.*** Boiling water will not reduce or remove lead.
4. ***Consider installing a filter.*** You may want to consider installing a water filter. Ensure that the filter is approved to reduce lead or contact the National Sanitation Foundation at 800-NSF-8010 or **www.nsf.org** for information on performance standards for these types of water filters. If you choose to install a lead removal filter, be sure to maintain and replace the filter in accordance with the manufacturer's instructions to protect water quality.
5. ***Get your child tested.*** Contact your local health department or healthcare provider to find out how you can get your child's blood tested for lead if you are concerned about exposure.
6. ***Identify and replace any plumbing fixtures that contain lead.*** Brass faucets, fittings, and valves
   manufactured *before January 4, 2014,* may contribute lead to drinking water, including those advertised as "lead-free." Under current law, "lead free" means no more than 0.2% lead in solder and flux, and 0.25% lead for pipe, pipe fittings, and components. Visit the National

Sanitation Foundation Web site at **www.nsf.org** to learn more about lead-containing plumbing fixtures.

7. ***Test your water for lead.*** Call us at *[insert phone number for your waterworks]* to find out how to get additional testing of your water for lead. *[Include information on your waterworks testing program; e.g., costs of testing and availability of labs in your area that are certified to do testing for lead in drinking water for any consumer who requests it.]*

Definitions

Under the authority of the Safe Drinking Water Act, the Environmental Protection Agency (EPA) set the Action Level for lead in drinking water at 15 ppb (or 0.015 mg/L). This means utilities must ensure that water from the customer's tap does not exceed this level in at least 90 percent of the locations sampled (this is referred to as the 90^{th} percentile value). The Action Level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Because lead may pose serious health risks, the EPA also set a Maximum Contaminant Level Goal (MCLG) for lead of zero. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

For More Information

Call us at *[Insert Waterworks Owner's Contact Phone Number],* or *[if applicable]* visit our Website at *[insert Waterworks Website Here]*. For more information on reducing lead exposure around your home/building and the health effects of lead:

1. Visit EPA's website at http://www.epa.gov/lead
2. Visit VDH's website at http://www.vdh.virginia.gov/leadsafe/
3. Contact your health care provider;
4. Contact the National Lead Information Center at 800-424-LEAD

This notice is brought to you by *[insert the name of your waterworks]*. State Water System ID# *[insert your water system's ID number.*

Lead Results Delivery Certification

Community Waterworks

INSTRUCTIONS: Waterworks owner must
1. Complete this form.
2. Attach a copy of an example consumer letter and the consumer notice to this form.
3. Within 3 months from the end of the monitoring period, email this form to:
   Email: ODWFieldOffice4@vdh.virginia.gov

Waterworks Name: _____ PWSID: _____

Population: _____

DELIVERY METHOD – Community Waterworks *(Choose as appropriate)*

Waterworks serving a population greater than 3,300 people:

☐ The occupants of each lead and copper sampling location were notified by U.S. Mail within 30 days of receiving the laboratory result.

Waterworks serving a population of 3,300 or fewer people (choose either delivery method):

☐ The occupants of each lead and copper sampling location were notified by U.S. Mail within 30 days of receiving the laboratory result.

☐ The occupants of each lead and copper sampling location were notified by hand/direct delivery within 30 days of receiving the laboratory result. Notification was made by:
(describe) _____

I certify that the occupants of each residence where lead tap water samples were collected have been informed of their lead monitoring results within 30 days after we were notified of the results by the laboratory along with the following information: MCLGs, ALs and their definitions, the health effects of lead which includes steps to reduce exposure to lead in drinking water, and contact information for the water utility.

Signature: _____ Print Name: _____
Title: _____ Date: _____

VIRGINIA DEPARTMENT OF HEALTH
Protecting You and Your Environment

Office of Drinking Water
Safe Drinking Water for a Healthy Virginia

90th Percentile between 06/01/2026 through 09/30/2026

VA2109990 LOUISA COUNTY ZION CROSSROADS

COPPER, FREE

Monitoring Period **01/01/2024 - 12/31/2026**

Sample Point		Sample Number	Sample Date	Result	90th	Action Level
LCR007	32 PLEASANTVIEW CT.	E260610156	07/30/2026	< 0.02 MG/L		
LCR020	34 BEACHNUT DRIVE	E260610162	07/31/2026	< 0.02 MG/L		
LCR023	63 DEER RUN DRIVE	E260610160	07/30/2026	< 0.02 MG/L		
LCR024	181 BEACHNUT DR.	E260610154	07/31/2026	< 0.02 MG/L		
LCR005	20 BRANCH LANE	E260610159	08/04/2026	0.0238 MG/L		
LCR017	35 VILLA AVENUE	E260801434	08/18/2026	0.0328 MG/L		
LCR018	236 DEER RUN DRIVE	E260610163	08/04/2026	0.0627 MG/L		
LCR009	116 MOSSY CREEK CT.	E260610158	08/04/2026	0.0778 MG/L		
LCR015	**64 ST. ANDREWS STREET**	**E260610161**	**07/30/2026**	**0.136 MG/L**	**0.136 MG/L**	**1.3 MG/L**
LCR004	10695 FREEDOM TRAIL	E260610157	07/30/2026	0.381 MG/L		

LEAD

Monitoring Period **01/01/2024 - 12/31/2026**

Sample Point		Sample Number	Sample Date	Result	90th	Action Level
LCR005	20 BRANCH LANE	E260610159	08/04/2026	< 2 PPB		
LCR007	32 PLEASANTVIEW CT.	E260610156	07/30/2026	< 2 PPB		
LCR017	35 VILLA AVENUE	E260801434	08/18/2026	< 2 PPB		
LCR018	236 DEER RUN DRIVE	E260610163	08/04/2026	< 2 PPB		
LCR020	34 BEACHNUT DRIVE	E260610162	07/31/2026	< 2 PPB		
LCR023	63 DEER RUN DRIVE	E260610160	07/30/2026	< 2 PPB		
LCR024	181 BEACHNUT DR.	E260610154	07/31/2026	< 2 PPB		
LCR004	10695 FREEDOM TRAIL	E260610157	07/30/2026	2.49 PPB		
LCR015	**64 ST. ANDREWS STREET**	**E260610161**	**07/30/2026**	**2.75 PPB**	**2.75 PPB**	**15 PPB**
LCR009	116 MOSSY CREEK CT.	E260610158	08/04/2026	6.15 PPB		