



COMMONWEALTH of VIRGINIA

DEPARTMENT OF HEALTH

OFFICE OF DRINKING WATER Richmond Field Office

Karen Shelton, MD
State Health Commissioner

Madison Building
109 Governor St., 6th
Floor Richmond, VA
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OFFICIAL ELECTRONIC COMMUNICATION NOTICE OF ALLEGED VIOLATION

SUBJECT: Louisa County
Waterworks: Louisa County Water
Authority
PWSID No: 2109510

September 11, 2025

Pam Baughman- General Manager
23 Loudin Lane
Louisa, VA, 23093

Re: LRAA PMCL Exceedance for Disinfection Byproducts - TTHMs and HAA5s under Stage 2 Rule

Dear Ms. Baughman,

This notice is to advise that you appear to be operating a waterworks in violation of the Public Water Supplies Law, Title 32.1, Chapter 6, Article 2 of the Code of Virginia, and Section 12VAC5-590-384 B 1 a of the Virginia *Waterworks Regulations* ("Regulations") for exceeding the locational running annual average (LRAA) for TTHMs and HAA5s under the Stage 2 Rule.

The LRAA for the TTHMs collected on August 26, 2025, from DBP04 had a concentration of 0.085 mg/L. The Primary Maximum Contaminant Level (PMCLs) for TTHMS are 0.080 mg/L. The LRAA for HAA5s collected on August 26, 2025, from DBP05 had a concentration of 0.066 mg/L. The Primary Maximum Contaminant Level (PMCLs) for HAA5s are 0.060 mg/L. The Regulations characterize this alleged violation as Tier 2 violations.

Section 12VAC5-590-384 B 1 a states, "The owner of a waterworks required to monitor quarterly shall calculate the LRAAs for TTHM and HAA5 using monitoring results collected under 12VAC5-590-374 F and determine that each LRAA does not exceed the PMCL in order to comply with the PMCLs listed in Table 340.6. If the owner fails to complete four consecutive quarters of monitoring, then the owner shall calculate compliance with the PMCL based on the average of the

available data from the most recent four quarters. If the owner collects more than one sample per quarter at a monitoring location, then the owner shall average all samples collected in the quarter at that location to determine a quarterly average to be used in the LRAA calculation.”

The quarterly samples for the last 4 quarters collected from DBP04 and DBP05 are shown in the table below. The 3rd quarter samples show a LRAA PMCL exceedance for HAA5s at DBP04 and a LRAA PMCL exceedance for THHMs at DBP05.

	DBP04 Location		DBP05 Location	
	TTHM	HAA5	TTHM	HAA5
3Q25	0.0875	0.124	0.11826	0.03031
2Q25	0.065	0.063	0.114	0.099
1Q25	0.051	0.058	0.055	0.076
4Q24	0.032	0.017	0.05	0.026
RAA	0.059	0.066	0.084	0.058

Required Actions

In accordance with Section 12VAC5-590-540 of the Regulations, a Tier 2 violation requires you issue a Tier 2 Public Notice (“Notice”) to the consumers in the area served in accordance to the public notification requirements described below:

Public Notice: The Tier 2 Notice requires you to notify consumers in the area served within 30 days of learning of the violation. This Notice must be handled as follows:

- You must provide a Notice to consumers no later than **October 11, 2025**, (i.e., 30 days from date of letter or 30 days from when owner was apprised of the violation, whichever comes first.)
- Your Notice to consumers must be mailed or directly delivered to each customer receiving a bill, and to other service connections served by your waterworks.
- If your waterworks serves consumers who do not pay water bills, or who do not have service connection addresses (apartment dwellers, university students, or nursing home patients, for example) you must also use other delivery methods to provide notice to these consumers as well. Examples of other methods include (but are not limited to) notice publication in local newspapers, delivery of multiple copies to apartment buildings, or posting the Notice in public places served by the system.
- Until the violation is resolved, you must give a copy of the Notice to all new billing units or new customers, before or at the time service begins.
- You must repeat distribution of the Notice every three months, for as long as the violation persists.

Draft Notice: Attached is a draft Tier 2 Notice for you to distribute as directed above. You may use this Notice as is, or modify it to better meet your situation, as long as the information is accurate and it contains all of the required elements and mandated language. If you decide to change the

Notice, we suggest that you contact this Office to verify that your proposed changes meet the requirements of the Regulations. Please insert the name, address, and phone number of a waterworks representative in the spaces provided on the draft Notice.

Public Notice Confirmation: Within ten (10) days of completing the public notification, but no later than **October 21, 2025**, you must provide this Office with a copy of the Notice that you distributed, along with a signed certification that the distribution was completed in the required time and manner. Failure to distribute the Notice and submit a signed certification form to this Office may be a further violation of the Regulations. A certification form is enclosed for your use.

Follow-Up Actions: The waterworks will continue to sample and monitor for DBPs, including TTHM and HAA5, on a quarterly basis. The waterworks will also conduct an OEL study to evaluate causes of increased TTHM and HAA5s.

Requesting an Administrative Proceeding: If you disagree with the allegations in this notice or wish to obtain a determination as to whether a violation has occurred, you may request an informal conference in accordance with Va. Code § 2.2-4019 and 12VAC5-590-115 of the Regulations. To request an informal conference, please contact the ODW Director of Compliance, Enforcement and Policy by telephone or email at 804-629-0989 or Grant.Kronenberg@vdh.virginia.gov.

Enforcement Authority: Failure to take all the necessary corrective actions in a timely manner to voluntarily return your waterworks to compliance may result in enforcement action. Enforcement actions include permit revocation, administrative orders, and civil or criminal proceedings, and civil charges or penalties of up to \$5,000 per day for each violation. Va. Code §§ 32.1-26, 32.1-27, 32.1-175.01 and 32.1-176.

If you have any questions or concerns regarding this matter, please contact me at 804-910-6111 or email at lydia.belser@vdh.virginia.gov.

Sincerely,


Lydia Belser, Envi Health Spec, Sr.
Richmond Field Office

LMB:lt

Enclosures:

1. Draft Tier 2 Public Notice
2. Certification Form

cc: Louisa County Administrator- Christian Goodwin (cgoodwin@louisa.org)
Operator- Cody Langridge (clangridge@louisacounty.gov)
Blue Ridge Health District, Environmental Health Manager-Jack McClelland
(john.mcclelland@vdh.virginia.gov)

NOTICE TO CONSUMERS
of the Louisa County Water Authority WATERWORKS

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

LRAA PMCL Exceedance for Disinfection Byproducts - TTHMs and HAA5s under Stage 2 Rule

Our water system recently violated a drinking water standard. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did (are doing) to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Testing results from August 26, 2025, show that our system exceeds the standard, or maximum contaminant level (MCL), for TTHM and HAA5. The standard for TTHM and HAA5 is 0.080 mg/L (TTHM) and 0.060 mg/L (HAA5), respectively. It is determined by averaging all the samples collected at each sampling location for the past 12 months. The calculated average for TTHMs from location DBP05 had a concentration of 0.085 mg/L. The calculated average for HAA5s at location DBP04 had a concentration of 0.066 mg/L. Both of these have exceeded the PMCLs.

What should I do?

- There is nothing you need to do. You do not need to boil your water or take other corrective actions. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.
- If you have a severely compromised immune system, have an infant, are pregnant, or are elderly, you may be at increased risk and should seek advice from your health care providers about drinking this water.

What does this mean?

This is not an emergency. If it had been, you would have been notified within 24 hours.

TTHMs are four volatile organic chemicals. HAA5s are five haloacetic acid compounds which form when disinfectants react with natural organic matter in the water.

People who drink water containing trihalomethanes in excess of the PMCL over many years may experience problems with their liver, kidneys, or central nervous system, and may have an increased risk of getting cancer. People who drink water containing haloacetic acids in excess of the PMCL over many years may have an increased risk of getting cancer.

What is being done?

We will continue to monitor TTHM and HAA5 levels during quarterly routine sampling. We will also conduct an Operational Evaluation Level (OEL) study to investigate the increased sampling data.

For more information, please contact Pam Baughman at 540-967-1122 or 23 Loudin Lane, Louisa, VA 23093.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by Louisa County Water Authority. State Water System ID#: 2109510.

Date distributed: _____.

SUBJECT: Louisa County
Waterworks: Louisa County Water
Authority
PWSID No: 2109510

VIOLATION: LRAA PMCL Exceedance for Disinfection Byproducts - TTHMs and HAA5s
under Stage 2 Rule – 2025 Q3

TIER 2 PUBLIC NOTIFICATION CERTIFICATION REPORT FORM
(Community Waterworks)

Use at least one of the primary delivery methods:

1. By Mail delivery on _____.
2. By direct (hand) delivery on _____..

Use one of the following in addition to the above:

- Publication in a local newspaper on _____..
- Delivery of multiple copies for distribution by customers that provide drinking water to others.
- Posting in public places or on the internet on _____..
- Delivery to community organizations.
- Other approved method: _____.

New billing customers will be notified of any ongoing violation for which notice has previously been issued.

I hereby certify that the attached public notice was distributed as indicated above and that the notice meets all content requirements.

(Printed Name)

(Signature)

RETURN FORM WITH COPY OF NOTICE TO:

odwfieldoffice4@vdh.virginia.gov