

LATROBE MUNICIPAL AUTHORITY

2017 CONSUMER CONFIDENCE REPORT

Este informe contiene informacion muy importante sobre su agua de beber. Traduzcaolo o hable con alguien que lo entienda bien. (This report contains very important information about your drinking water: Translate it, or speak to someone who understands it.)

Public Water Supply
ID#5650060
P.O. Box 88
Latrobe, Pa 15650
724-537-3378
www.LatrobeMA.com

Annual Drinking Water Report

Explanation:

We at the Latrobe Municipal Authority are pleased to present this year's Annual Drinking Water Report. For your information, surface water from the H.A. Stewart Reservoir (A.K.A Latrobe Reservoir) and the Loyalhanna Creek is processed at our Kingston Filtration Plant, and then delivered to our 9,500 industrial, commercial and

Required CCR Statement Addressing Lead in Drinking Water

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"If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. LMA is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the safe drinking water hotline or at <http://www.epa.gov/safewater/lead>."

residential customers. This report is designed to inform you about the quality of water that we provide to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We are pleased to report that in 2017 our drinking water continued

to meet or exceed all federal and state requirements.

If you have any questions concerning this report, please contact me directly at 724-537-3378 or attend one of our board of directors' meetings normally held on the third Tuesday of

each month at 5:30 PM at the Authority Office.

The Latrobe Municipal Authority

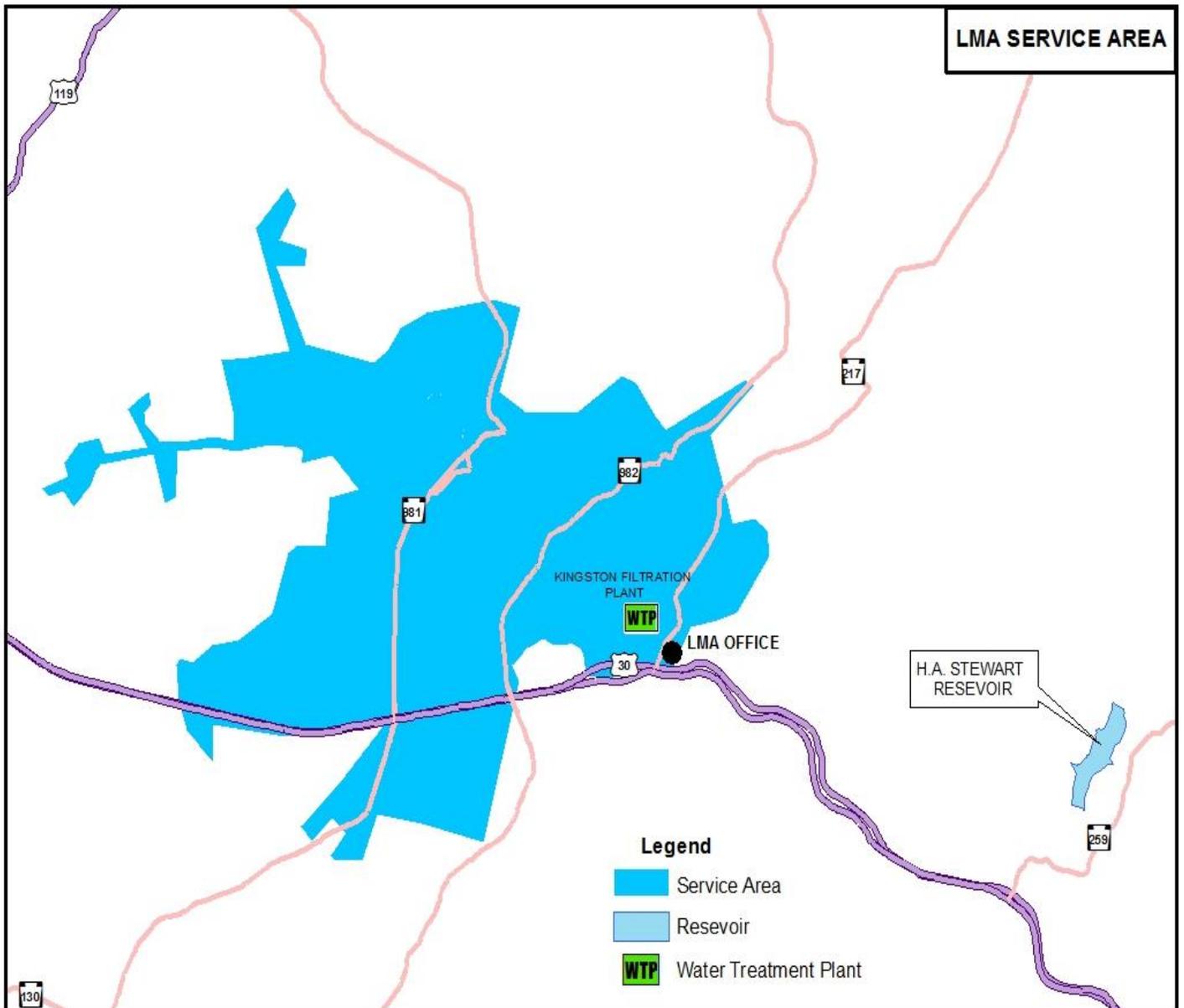
Terri A. Hauser,
Manager

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking water hotline (800-426-4791).

The Latrobe Municipal Authority routinely monitors for contaminants in your drinking water according to federal and state laws. The Table at the bottom of this report shows the results of our most recent monitoring. The state allows us to monitor for some contaminants less than once per year because the concentration of these contaminants do not change frequently. Some of our data, though representative, are more than 1 year old. All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be microbes, organic or inorganic chemicals, or radioactive materials. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Keep in mind, the Environmental Protection Agency has set very stringent levels for these contaminants for your protection. More information about contaminants and potential health effects can be obtained by calling EPA's Safe Drinking Water Hotline at 1-800-426-4791.

In 2017 The Latrobe Municipal Authority located and repaired 56 leaks along 150 miles of main waterline.

A source water assessment of the H.A. Stewart Reservoir was completed in May, 2002 for the Pennsylvania Department of Environmental Protection. According to the assessment report, the greatest potential threats to this water supply are an accidental release of contaminants along adjacent roadways and storm water runoff from agricultural areas within the watershed. Furthermore, abandoned strip mine runoff and malfunctioning septic systems may contribute to contamination. The overall risk of contamination is low. The report is available for review at the Authority office, as well as a complete report at the DEP regional office, and a summary report online at <http://www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045>.



Microbial Contaminants:

Examples: viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.

Inorganic Contaminants:

Examples: Salts and metals, which can be naturally occurring or result from urban storm water run-off, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Pesticides and Herbicides

May come from a variety of sources such as agriculture, urban storm runoff, and residential uses.

Organic Chemical Contaminants:

Examples: Synthetic and volatile organic chemicals, which are by-products of industrial processes and can also come from gas stations, urban storm water runoff and septic systems.

Radioactive Contaminants:

Can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure tap water is safe to drink, EPA and DEP prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

In the Table you may find some terms and abbreviations with which you might not be familiar. To better help you understand these terms we have provided the following definitions:

Parts per million (ppm) or Milligrams per liter: One part per million corresponds to one minute in two years, or a single penny in \$10,000.

Picocuries per liter (pCi/L): a measure of radioactivity.

Parts per billion (ppb) or Micrograms per liter: One part per billion corresponds to one minute in 2,000 years or a single penny in \$10,000,000.

Nephelometric Turbidity Unit (NTU): A unit used to measure the clarity of water. Turbidity in excess of 5 NTU is noticeable to the average person.

Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which water systems must follow.

Treatment technique (TT): a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level (MCL): The highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCGLs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCGLs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is

convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Minimum Residual Disinfectant Level (MinRDL): The minimum level of residual disinfectant to control microbial contaminants.

In addition to the parameters listed in the table, The Latrobe Municipal Authority also sampled for other inorganic and organic contaminants. Laboratory analysis indicated that these contaminants were not present at detectible levels. Results of all monitoring are available at the Authority Office.

| Chemical Contaminants | | | | | | | | |
|------------------------------|------------------|-----------|----------------|--------------------|-------|-------------|-----------|--|
| Contaminant | MCL in CCR Units | MCLG | Level Detected | Range Of Detection | Units | Sample Date | Violation | Source of contamination |
| Barium | 2 | | 0.0266 | - | ppm | 8/29/2017 | No | Discharge of drilling wastes and metal refineries; Erosion of Natural deposits |
| Haloacetic Acids (HAA5) | 60 | | 11.99 | 1.04-29.8 | ppb | Quarterly | No | By-product of drinking water disinfection |
| Total Trihalomethanes (TTHM) | 80 | | 36.4 | 7.3-55.2 | ppb | Quarterly | No | By-product of drinking water chlorination |
| Chlorine | MRDL= 4 | MRDLG = 4 | 0.05 | 0.05 | ppm | Monthly | No | Water additive used to control microbes |

| Entry Point Disinfectant Residual | | | | | | | |
|-----------------------------------|-------------------------------|-----------------------|--------------------|-------|-------------|-----------|---|
| Contaminant | Minimum Disinfection Residual | Lowest Level Detected | Range Of Detection | Units | Sample Date | Violation | Sources of Contamination |
| Chlorine | 0.2 | 0.51 | 0.51-0.92 | ppm | 7/15/17 | No | Water Additive used to control microbes |

| Lead and Copper | | | | | | | |
|-----------------|-------------------|------|--------------|-------|--|-----------|---------------------------------|
| Contaminant | Action Level (AL) | MCLG | 90th % Value | Units | # Of All Sites Above AL of Total Sites | Violation | Sources Of Contamination |
| Lead (2016) | 15 | 0 | 0 | ppb | 0 | No | Corrosion of Household plumbing |
| Copper (2016) | 1.3 | 1.3 | 0.025 | ppm | 0 | No | Corrosion of Household plumbing |

| Microbial (Related to E-coli) | | | | | |
|--------------------------------------|---|-------------|--|------------------|---------------------------------|
| Contaminants | MCL | MCLG | Positive Sample(s) | Violation | Sources of Contamination |
| E.coli | Routine and repeat samples are total coliform-positive and either is E. Coli-positive or system fails to take repeat samples following E.coli-positive routine sample or system fails to analyze total coliform-positive repeat sample for E-coli. | 0 | 1 positive sample taken, check samples negative. | No | Human and Animal Fecal Waste |

| Turbidity | | | | | | |
|--------------------|---|-------------|-----------------------|--------------------|------------------|--------------------------------|
| Contaminant | MCL | MCLG | Level Detected | Sample Date | Violation | Source of Contamination |
| Turbidity | TT=1 NTU for a single measurement | 0 | 0.1 | 12/25/2017 | NO | Soil Runoff |
| | TT= At least 95% of monthly samples less than or equal to 0.3 NTU | | 100% | Monthly | NO | |

| Microbial Contaminant | | |
|-----------------------|--------------------|--------------|
| Trout Run | | |
| Contaminant | Result (Oocysts/L) | Date Sampled |
| Cryptosporidium | 0.00 | 12/5/2017 |
| Cryptosporidium | 0.00 | 11/7/2017 |
| Cryptosporidium | 0.00 | 10/3/2017 |
| Cryptosporidium | 0.00 | 9/5/2017 |
| Cryptosporidium | 0.00 | 8/9/2017 |
| Cryptosporidium | 0.00 | 7/12/2017 |
| Cryptosporidium | 0.00 | 6/6/2017 |
| Cryptosporidium | 0.00 | 5/30/2017 |
| Cryptosporidium | * | 4/21/2017 |
| Cryptosporidium | 0.00 | 3/7/2017 |
| Cryptosporidium | 0.00 | 2/7/2017 |
| Cryptosporidium | 0.00 | 1/3/2017 |

| Microbial Contaminant | | |
|-----------------------|--------------------|--------------|
| Loyalhanna Creek | | |
| Contaminant | Result (Oocysts/L) | Date Sampled |
| Cryptosporidium | 0.00 | 12/5/2017 |
| Cryptosporidium | 0.087 | 11/7/2017 |
| Cryptosporidium | 0.00 | 10/3/2017 |
| Cryptosporidium | 0.00 | 9/5/2017 |
| Cryptosporidium | 0.00 | 8/9/2017 |
| Cryptosporidium | 0.00 | 7/12/2017 |
| Cryptosporidium | 0.087 | 6/6/2017 |
| Cryptosporidium | 0.00 | 5/30/2017 |
| Cryptosporidium | * | 4/21/2017 |
| Cryptosporidium | 0.00 | 3/7/2017 |
| Cryptosporidium | 0.00 | 2/7/2017 |
| Cryptosporidium | 0.00 | 1/3/2017 |

* Four samples were taken in April 2017. Results were not provided to the Latrobe Municipal Authority due to quality control issues at the contracted laboratory.

** All results are from raw water samples taken at the Trout Run and Loyalhanna Creek sources prior to treatment.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER FAILURE TO MONITOR

ESTE INFORME CONTIENE INFORMACION IMPORTANTE ACERCA DE SU AGUA POTABLE.
HAGA QUE ALGUIEN TRADUZCA PARA USTED, O HABLE CON ALGUIEN QUE LO ENTIENDA.

Monitoring Requirements Not Met for *Synthetic Organic Chemicals (SOC)*

Our water system violated a drinking water monitoring standard over the past year. Even though it was not an emergency, as our customers, you have a right to know what happened and what was done to correct this situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether our drinking water meets health standards. The Latrobe Municipal Authority missed the 3rd quarter sampling deadline for SOCs by ten-days. The deadline for 3rd quarter, 2017 SOC samples was September 30, 2017. Samples were taken on October 10, 2017. There were no violations of safe drinking water limits.

What should you do?

There is nothing you need to do at this time.

The table below lists the contaminants we did not properly test for during the last year, how often we are supposed to sample for, how many samples we took, when samples should have been taken and when the samples were taken.

| Contaminant | Required sampling frequency | Number of Samples taken | Deadline for sample to be taken | When samples were or will be taken |
|-----------------------------|--|--------------------------------|--|---|
| Synthetic Organic Chemicals | Two consecutive quarters every three years | 17 | September 30, 2017 | October 10, 2017 |

What corrective actions were taken?

The Latrobe Municipal Authority has since taken the required samples, as described in the table above. The samples showed we are meeting drinking water standards.

For additional information, please contact Christopher Bova at 104 Guerrier Road, Latrobe, PA 15650 or (724)537-3378.

Mandatory DEP Notification Language: *“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”.*