

Consumer Confidence Report

ABOUT YOUR DRINKING WATER



This Report contains water quality information for the consumers of water provided by your public water supplier, the Borough of Macungie. You will find basic information on where your water comes from, the amount of detected contaminants that we test for, information of our compliance with drinking water regulations, and where to find further information about drinking water. Our goal is to help you have a better understanding about the water you use every day.

The source of your tap water is from two groundwater wells. Well No. 1 is located at the Municipal Garage. The well was drilled to a depth of 300 feet. Well No. 2 is located on Lehigh Street, 1,750 feet from N. Church St. The well was drilled to a depth of 430 feet. The water is pumped from the geological region known as the Leithsville Formation. As water is pumped from the wells and allowed to enter the distribution system, chlorine is added to the water to protect you against microbial contamination.

MONITORING YOUR WATER

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 microbiological contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.



All sources of drinking water, including bottled water, are subject to potential contamination by constituents that are naturally occurring or man-made. Those constituents 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. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

We are pleased to report that our water meets or exceeds federal and state requirements. If you would like additional information about your water, you may contact Douglas G. McNair, Borough of Macungie, 610-966-2503. Public concerns and comments may be expressed at any of the Authority's meetings. The Authority meets at Borough Hall, 21 Locust Street, Macungie, PA on the second Thursday of the months of January, April, July, and October beginning at 7:00 p.m.

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

Consumer Confidence Reports will be issued by July 1st of every year.

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WATER QUALITY TEST RESULTS

As a public water supplier, we are required to test our water on a regular basis to ensure its safety. The Table below lists only the drinking water contaminants that we detected. **The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk.** Unless otherwise noted, the data presented in the table is from testing done January 1, - December 31, 2014. The Commonwealth allows us to monitor for certain contaminants less than once per year because the concentration of these contaminants are not expected to vary significantly from year to year. Our Pennsylvania Water Supply Identification (PWSID) number is 3390033.

TYPE OF MCL CONTAMINANTS (UNITS)	MCL or MRDL	MCLG or MRDLG	TEST RESULTS	RANGE OF DETECTION	SAMPLE DATE	VIOLATION	TYPICAL SOURCE OF CONTAMINANTS
DISINFECTANTS & DISINFECTION BY-PRODUCTS:							
Chlorine (ppm)	4	4	0.63	0.5 - 0.63	Weekly	No	Water additive used to control microbes.
Trihalomethanes [TTHMs] (ppb)	80	n/a	5.6	5.6 - 5.6	August 2015	No	By-product of drinking water chlorination.
ENTRY POINT DISINFECTANT RESIDUALS:							
Chlorine (ppm)	4	*MDR 0.6	0.6	0.6 - 1.05	Daily	No	Water additive used to control microbes.
*Minimum Disinfectant Residual (MDR)							
INORGANIC CHEMICALS:							
Nitrates (ppm)	10	10	3.54	2.65 - 4.22	Quarterly	No	Runoff from fertilizer use; leaching from septic systems; erosion from natural deposits.
Lead (ppb)	*A.L = 15	0	3.0	No sites exceeded the A.L. out of the 10 sites sampled	June 2013	No	Corrosion of household plumbing systems.
Copper (ppb)	*A.L = 1.3	1.3	0.168	0.39 - 1.26	June 2013	No	Corrosion of household plumbing systems.

*Action Levels (A.L.) are in place of Maximum Contaminate Levels (MCL's).

We had no detections of Volatile Organic Compounds or Synthetic Organic Compounds.

Other water parameter information that may be helpful in your home or business in making adjustments to your private water softeners or conditioners can be found on the web at www.macungie.pa.us/drinkingwater.htm

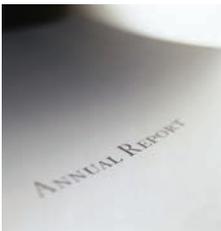
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HEALTH EFFECTS

We test your drinking water for many different kinds of contaminants. We've listed only those contaminants that tested positive. We want you to know that nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue-baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider. Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome. We also want you to know that infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4791).



SOURCE WATER ASSESSMENT



A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). A summary report of the Assessment was not yet available at time of printing of this report on the source water assessment & protection web page but will be available in the future at, "<http://www.dep.state.pa.us/dep/deputate/watermgmt/wc/Subjects/SrceProt/SourceAssessment/default.htm>". Complete reports were distributed to municipalities, water suppliers, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP Northeast Regional Office, Records Management Unit at 2 Public Square, Wilkes-Barre, PA 18711-0790.

TERMS AND ABBREVIATIONS

In this table, you will find terms and abbreviations with which you might not be familiar. To help you better understand these terms, we've provided the following definitions:

ACTION LEVEL (AL) - The concentration of a contaminant which if exceeded triggers treatment or other requirements which a water system must follow.

N/A - not applicable.

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

Maximum Contaminant Level Goal (MCLG) - The "Goal" 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.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a drinking water disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfection Level Goal (MRDLG) - The level of a drinking water disinfected 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 Disinfectant Residual (MDR) - The minimum amount of free chlorine in the water we must maintain at each point where the water from our wells is pumped into the distribution system.

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.

Parts per million (ppm) or milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Total Trihalomethanes (TTHMs) - A group of four chemicals that are formed along with other disinfection byproducts when chlorine or other disinfectants used to control microbial contaminants in drinking water react with naturally occurring organic and inorganic matter in water.

Treatment Technique (TT) - A required process intended to reduce the level of a contaminant in drinking water.



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49 S. Poplar Street
Macungie, PA. 18062
Phone 610-966-9636
Email MSL1228@AOL.COM

www.mastersupplyline.com
STORE HOURS
Monday - Friday 8 A.M. TO 5 P.M.
Saturdays 8 A.M. TO 12 P.M.

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The Authority's goal is to provide you with a safe, consistent quality water supply. This is achieved by meeting or exceeding the water quality standards of both the federal and state governments. The Authority, from time to time, may notify residents about new or changes in requirements regarding your drinking water, and service lines. Any correspondence you may receive from the Authority will be clearly identified on the letterhead as the Macungie Borough Authority, 21 Locust Street, Macungie, PA. 18062.

LEAD IN DRINKING WATER

National events about lead exposure have generated new concerns for Pennsylvanians related to the safety of their homes and water. The Macungie Borough Authority takes the issue of lead exposure very seriously by adhering to all federal and state regulations pertaining to the lead and copper rule, which requires that public drinking water suppliers regularly test for contaminants such as lead.

The purpose of the Lead and Copper Rule is to protect public health by minimizing lead and copper levels in drinking water, primarily by making water less corrosive. When water is corrosive, the lead and copper found in plumbing materials can leach into your drinking water. Pennsylvania's Lead and Copper Rule establishes an action level of 0.015 mg/L for lead and 1.3 mg/L for copper. An action level exceedance is not a violation but can trigger other requirements that include water quality parameter monitoring, corrosion control treatment, source water monitoring/treatment.

The Borough of Macungie is very fortunate to have quality sources of water. The water is naturally neutral, meaning it does not have corrosive properties. As a result, the borough's lead and copper test results (see the "Water Quality Test Results" table) are well below the action levels as specified in the Lead and Copper rule. To ensure a true representation of our drinking water, the samples are drawn from taps at homes throughout the borough. These homes have to meet certain criteria such as having pipes with leaded soldered joints. Another requirement is that the water is left to stand in the pipes for a minimum of 6 hours before drawing the water out to be tested. For more information on lead in drinking water please see the following link in the internet: "<http://extension.psu.edu/natural-resources/water/drinking-water/water-testing/pollutants/lead-in-drinking-water>".



Macungie Borough Emergency Notification - Contact Information Request

In the event of water system emergencies that may affect your drinking water, The Borough of Macungie uses Swiftreach Networks "Swift911" notification service. This is a telephone service that will notify you in an event and provide information on what to do. You will also be notified again when the event has been resolved. **This is very important that you have your contact number current. This is a private list and will not be shared.** To learn more about this important notification system and add or update your information please go to the page on the Borough's Website at, "www.macungie.pa.us/Swiftreach911/mainpage.htm". If you do not have access to a computer, you may call Town Hall at 610-966-2503 to add your contact information.

The Authority has implemented a new billing system in 2012. The new system will allow you to view and print your utilities bills over the internet. They also have added the ability to pay your bill online, although there is a small convenience fee that is charged by the online bill paying service. To learn more and to register for these services please go the Borough's web page, "www.macungie.pa.us/Government/UtilityBilling.html".

Please notify us.... If you suspect a water main break, service line leak, unusually low water pressure, or have other concerns that require immediate attention, we may be reached in the following ways:

During regular business hours Monday thru Friday 8:00 AM - 4:30 PM at Macungie Borough Hall, 21 Locust Street, Macungie 610-966-2503, after hours please contact the Macungie Police Department at 610-966-2222.

Thank You!

The Borough of Macungie would like to thank the businesses that appear in this newsletter and to recognize them each as supporters and cornerstones of our community. For it is with their contributions that this newsletter has been produced at no charge to our residents. The Borough would like to further request that citizens, in response, patronize these businesses first when given a choice as these businesses are saving each citizen tax dollars.

An advertisement for Allen R. Crawford, Jr. DMD Family Dentistry. It features a red door with a white frame and a small garden in front. The text reads: "Allen R. Crawford, Jr. DMD" followed by "Family Dentistry" with decorative arrows. Below this, it says "We provide quality care in preventive, restorative and cosmetic dentistry in a pleasant, relaxing atmosphere. New and emergency patients are welcome." At the bottom, the address and phone number are listed: "530 Main Street • Macungie, PA 18062 • (610) 966-5124".