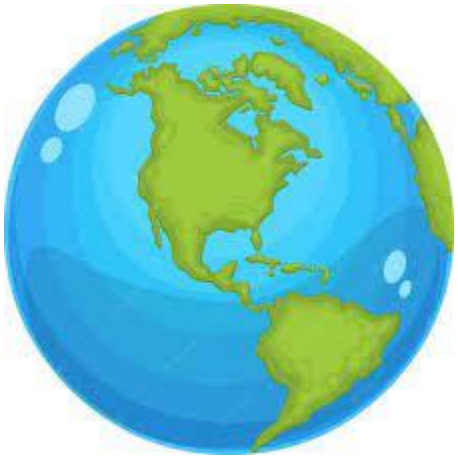

ONTELAUNEE TOWNSHIP

Annual Water Quality Report 2022

PWSID: 3060098

What Are Drinking Water Standards?

Under the authority of the Safe Drinking Water Act (SDWA), EPA sets standards for approximately 90 contaminants in drinking water. For each of these contaminants, EPA sets a legal limit, called a maximum contaminant level, or requires a certain treatment. Water suppliers may not provide water that does not meet these standards. Water that meets these standards is safe to drink.

The SDWA, which celebrated its 25th Anniversary in 2004, is the main federal law that ensures the quality of America's drinking water. Under SDWA, EPA sets standards for drinking water quality and oversees the states, localities, and water suppliers who implement those standards. The SDWA covers all public water systems with piped water for human consumption with at least 15 service connections or a system that regularly serves at least 25 individuals.

Why Do I Need to Read This?

A survey conducted by the American Water Works Research Foundation in 1993 found that nearly two-thirds of water customers surveyed said they received "very little" or "no" information on the quality of their water. The water quality reports will increase the availability of information. Informed and involved citizens can be strong allies of water systems, large and small, as they take action on pressing problems. Also, an increase in public awareness can give sensitive sub-populations the information that they need to protect themselves.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-comprised persons such as person 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 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 (1-800-426-4791).

2022 Annual Drinking Water Quality Report of Ontelaunee Township

We are pleased to present to you this year's Annual Drinking Water Quality Report.
The Reading Water Authority (RAWA) and Ontelaunee Township routinely monitors for constituents in your drinking water according to Federal and State Laws. The table shows the results of this monitoring for the period of January 1, 2022 to December 31, 2022. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Water Drinking Act. The date has been noted on the sampling results table. Our water source comes from RAWA. Lake Ontelaunee is the RAWA water source. The water is collected by RAWA and is tested by both RAWA and Ontelaunee Township.

If you have any questions about this report or concerning your water utility, please contact us at 610-926-4240. We want our valued customers to be informed about their water quality. If you want to learn more, please attend our regularly scheduled monthly meetings. They are held on the first Thursday of every month at 7:00 P.M. at the Ontelaunee Township Municipal Building, 35 Ontelaunee Drive, Reading, PA 19605.

Chemical Contaminant (unit of measurement)	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Sample Date	Violation Y/N	Sources of Contamination
Chlorine (ppm) (Monthly Average of Distribution System)	MRDL 4.0	MRDLG 4.0	1.3	0.05-2.66	2022	Y	Water additive used to control microbes.
Haloacetic Acids * (HAA5) (ppb)	60	60	33.2	N/A	2022	N	By-product of drinking water disinfection.
Trihalomethanes (TTHMs) (ppb) **	80	80	46.0	N/A	2022	N	By-product of drinking water disinfection.

* Some people who drink water containing Haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.
** Some people who drink water containing Trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Inorganic Chemical (IOCS)

Chemical Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detection	Sample Date	Violation Y/N	Sources of Contamination
Fluoride (ppm)	2	4	0.86	0.40 - 0.86	2022	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate as Nitrogen (ppm)	10	10	3.8	<1.0 - 3.8	2022	N	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Entry Point Disinfectant Residual

Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Sample Date	Violation Y/N	Sources of Contamination
Chloramine (ppm)	0.20	2.24	2.24 - 3.72	2022	N	Water additive used to control microbes

Lead and Copper

Contaminant	Action Level (AL)	MCLG	90th Percentile Value	# of Sites above AL of Total Sites	Violation Y/N	Sources of Contamination
Copper (ppm) *	1.3	1.3	0.091	10	N	Corrosion of household plumbing; Erosion of natural deposits; Leaching from wood preservatives
Lead (ppb) *	15	0	0	10	N	Corrosion of household plumbing; Erosion of natural deposits

Microbial Contaminants	Highest # OR % of Positive Samples	MCLG/MRDLG	Number of Level 2 Assessments triggered by an E. coli MCL	Violation Y/N	Sources of Contamination
Total Coliform Bacteria	0	N/A	For systems that collect >40 samples/month: 5% of monthly samples are positive.	N	Naturally present in the environment.

Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/n	Sources of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.124 NTU	Jan 2022	N	Soil runoff
	TT= at least 95% of monthly samples≤0.3 NTU		100.0	N/A	N	

Radionuclides

Chemical Contaminant	MCL in CCR units	MCLG	Highest Level Detected	Sample Date	Violation Y/N	Sources of Contamination
Combined Radium (pCi/L)	5	0	0.56	2019	N	Erosion of natural deposits

Total Organic Carbon (TOC)

Percent removal range required for TOC is 0-35%. The percent removal achieved by RAWA in 2022 is 33.3-56.5%.

Synthetic Organic Compounds (SOCs)

We were not required to monitor for SOCs in 2022.

Violations: Please see attached. When the attached low chlorine residual violations were encountered, the waterlines in the area were flushed until the chlorine residual levels in the area was brought well above the minimum required level.

We are proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected; however, the DEP has determined that your water IS SAFE at these levels.

The PA Department of Environmental Protection allows the Authority to test for some contaminants less often than annually because the concentrates of these contaminants do not change frequently. Therefore, some of our data, though representative, is not from 2022. Copper and lead were tested in 2022. Radium was tested in 2019

What's In My Water?

The Reading Water Authority (RAWA) and Ontelaunee Township routinely monitor for constituents in your drinking water according to Federal and State Laws. The table above shows the results of this monitoring for the period of January 1, 2022 to December 31, 2022. It is important to remember that the presence of these constituents does not necessarily indicate that the water poses a health risk.

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

Action Level – the concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.

Non-Detects (ND) – laboratory analysis indicates that the contaminant is not present at a detectable level.

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.

Parts per billion (ppb) or micrograms per liter – one part per billion corresponds to one second in 33 years or a single penny in $10,000,000.

Picocuries per liter (pCi/l) – picocuries per liter is a measure of radioactivity in water.

Maximum Contaminant Level – the "Maximum Allowed" (MCL) is 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 Containment Level Goal (MCLG) – the "goal" is the level of contaminant in drinking water below, which there is no known or expected risk to health. MCGLs allow for a margin of safety.

Treatment Technique (TT) – a treatment technique is a required process intended to reduce the level of contaminant in drinking water.

Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come for sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, which may be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts or industrial processes and petroleum production and mining activities.

Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

More information can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4971, or explore the Office of Ground Water and Drinking Water's web site.

As you can see by the table, our system had no violations. We are proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected; however, the EP has determined that your water is safe at these levels. All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or manmade. These constituents can be microbes, organic or inorganic chemicals, or radioactive materials. All drinking water, including bottled water, may reasonably be expected to contain a small amount of some constituents. The presence of contaminants does not necessarily indicate that the water poses a health risk.

MCL Exceedance Report

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Please excuse this auto-generated exceedance notification if the result is on or rounds down to the PA DEP defined MCL value.

Client Name: Ontelaunee Township Water & Sewer Dept.
Contact Name: Chris Hemmig **Contact Number:** (610) 926-4240
Project: Weekly Chlorine- WEEK 1 **Lab Manager:** Christina M Kistler

The analytes listed in this report exceed one or more regulatory limits

Sample Name: 703 Wingco Lane Penske Building Kitchen Sink (3060098)
Collected By: Barbara A Raifsnider **Reported:** 1/7/22 16:06
Sample ID (Matrix): 2200052-02 (Drinking Water) **Sample LOC ID:** 703
Sampled: 1/3/22 11:12 **Sample Type:** D-Distribution

	Result	RL	Units	Analyzed	Reviewed	MCL Lower Limit	MCL Upper Limit	PA DEP Analyte ID
Field								
Chlorine, Total Residual	<0.05	0.05	mg/l	1/3/22 11:12	1/7/22 16:06	0.15	4	1012

PADEP Contact Information

Berks County
1005 Cross Roads Blvd., Reading, PA 19605
(610) 916-0100

Contact	Contact Phone	Contact Email
Ben Stermer	610-916-0100	bestermer@pa.gov
Kevin Knick	610-916-0100	kevknick@pa.gov
Kristopher Gilham	610-916-0100	kgilham@pa.gov
Rachel Bechtel	610-916-0146	rachechtel@pa.gov
Southcentral Regional Office	1-800-541-2050	EP-SDW-SCRO-Notes@pa.gov
Susan Werner	610-916-0100	suwerner@pa.gov

Customer is flushing, and taking additional readings.
2:42 – 0.32 mg/l
2:47 – 0.38 mg/l
2:52 – 0.92 mg/l
2:57 – 1.71 mg/l

Christina Kistler 1/3/22

Christina Kistler 1/3/22

12:11

12:11

The testing laboratory must notify the Public Water Supplier by telephone within 1 hour (or the appropriate DEP regional office by telephone within 2 hours) of the determination that an MCL violation has occurred for any Safe Drinking Water Act (SDWA) compliance testing result that is at or above the listed MCL for that contaminant code. Written notification must be provided to the appropriate DEP regional office within 24 hours.

107 Angelica Street · Reading, PA 19611 · www.mjreider.com · (610) 374-5129 · fax (610) 374-7234

MCL Exceedance Report

M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Please excuse this auto-generated exceedance notification if the result is on or rounds down to the PA DEP defined MCL value.

Client Name: Ontelaunee Township Water & Sewer Dept.
Contact Name: Chris Hemmig **Contact Number:** (610) 926-4240
Project: Jan, Mar, May, Jul, Sep, Nov **Lab Manager:** Christina M Kistler

The analytes listed in this report exceed one or more regulatory limits

Sample Name: 736 Berks Medical Equipment Warehouse Office Restroom Sink (3060098)
Collected By: Barbara A Raifsnider **Reported:** 1/12/22 8:15
Sample ID (Matrix): 2201292-06 (Drinking Water) **Sample LOC ID:** 736
Sampled: 1/11/22 9:00 **Sample Type:** D-Distribution

	Result	RL	Units	Analyzed	Reviewed	MCL Lower Limit	MCL Upper Limit	PA DEP Analyte ID
Field								
Chlorine, Total Residual	0.06	0.05	mg/l	1/11/22 9:00	1/12/22 8:14	0.15	4	1012

PADEP Contact Information

Berks County
1005 Cross Roads Blvd., Reading, PA 19605
(610) 916-0100

Contact	Contact Phone	Contact Email
Ben Stermer	610-916-0100	bestermer@pa.gov
Kevin Krick	610-916-0100	kevkrick@pa.gov
Kristopher Gilham	610-916-0100	kgilham@pa.gov
Rachel Bechtel	610-916-0146	racbechtel@pa.gov
Southcentral Regional Office	1-800-541-2050	EP-SDW-SCRO-Notes@pa.gov
Susan Werner	610-916-0100	suwerner@pa.gov

Notes:

Reported to Customer By (Signature) Date/Time

Reported to PADEP By (Printed) Date/Time

Client Contacted Via Written Notice Date/Time

Reported to PADEP By (Signature)

Client Contacted Via Telephone Date/Time

The testing laboratory must notify the Public Water Supplier by telephone within 1 hour (or the appropriate DEP regional office by telephone within 2 hours) of the determination that an MCL violation has occurred for any Safe Drinking Water Act (SDWA) compliance testing result that is at or above the listed MCL for that contaminant code. Written notification must be provided to the appropriate DEP regional office within 24 hours.

107 Angelica Street ○ Reading, PA 19611 ○ www.mjreider.com ○ (610) 374-5129 ○ fax (610) 374-7234

MCL Exceedance Report

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Please excuse this auto-generated exceedance notification if the result is on or rounds down to the PA DEP defined MCL value.

Client Name: Ontelaunee Township Water & Sewer Dept.
Contact Name: Chris Hemmig **Contact Number:** (610) 926-4240
Project: Jun, Aug, Oct, Dec, **Lab Manager:** Christina M Kistler

The analytes listed in this report exceed one or more regulatory limits

Sample Name: 736 Adapt Health Warehouse Office Restroom Sink (3060098)
Collected By: Carolyn M Lessig **Reported:** 6/16/22 9:40
Sample ID (Matrix): 2222431-05 (Drinking Water) **Sample LOC ID:** 736
Sampled: 6/15/22 9:57 **Sample Type:** D-Distribution

	Result	RL	Units	Analyzed	Reviewed	MCL Lower Limit	MCL Upper Limit	PA DEP Analyte ID
Field								
Chlorine, Total Residual	0.10	0.05	mg/l	6/15/22 9:57	6/16/22 9:40	0.15	4	1012

PADEP Contact Information

Berks County
1005 Cross Roads Blvd., Reading, PA 19605
(610) 916-0100

Contact	Contact Phone	Contact Email
Ben Stermer	610-916-0100	bestermer@pa.gov
Kevin Krick	610-916-0100	kevkrick@pa.gov
Rachel Moreno	610-916-0146	ramoreno@pa.gov
Southcentral Regional Office	1-800-541-2050	EP-SDW-SCRO-Notes@pa.gov
Susan Werner	610-916-0100	suwerner@pa.gov

Notes:

Reported to Customer By (Signature) Date/Time

Reported to PADEP By (Person) Date/Time

Client Contacted by Written Notice Date/Time

Reported to PADEP By (Signature)

Client Contacted Via Telephone Date/Time

The testing laboratory must notify the Public Water Supplier by telephone within 1 hour (or the appropriate DEP regional office by telephone within 2 hours) of the determination that an MCL violation has occurred for any Safe Drinking Water Act (SDWA) compliance testing result that is at or above the listed MCL for that contaminant code. Written notification must be provided to the appropriate DEP regional office within 24 hours.

107 Angelica Street ○ Reading, PA 19611 ○ www.mjreider.com ○ (610) 374-5129 ○ fax (610) 374-7234

MCL Exceedance Report

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Please excuse this auto-generated exceedance notification if the result is on or rounds down to the PA DEP defined MCL value.

Client Name: Ontelaunee Township Water & Sewer Dept.
Contact Name: Chris Hemmig **Contact Number:** (610) 926-4240
Project: Jan, Mar, May, Jul, Sep, Nov **Lab Manager:** Christina M Kistler

The analytes listed in this report exceed one or more regulatory limits

Sample Name: 736 Adapt Health Warehouse Office Restroom Sink (3060098)
Collected By: Carolyn M Lessig **Reported:** 7/14/22 9:57
Sample ID (Matrix): 2226819-06 (Drinking Water) **Sample LOC ID:** 736
Sampled: 7/13/22 10:10 **Sample Type:** D-Distribution

	Result	RL	Units	Analyzed	Reviewed	MCL Lower Limit	MCL Upper Limit	PA DEP Analyte ID
Field								
Chlorine, Total Residual	0.06	0.05	mg/l	7/13/22 10:10	7/14/22 9:57	0.15	4	1012

PADEP Contact Information

Berks County
1005 Cross Roads Blvd., Reading, PA 19605
(610) 916-0100

Contact	Contact Phone	Contact Email
Ben Sterner	610-916-0100	bestermer@pa.gov
Kevin Krick	610-916-0100	kevkrick@pa.gov
Rachel Moreno	610-916-0146	ramoreno@pa.gov
Southcentral Regional Office	1-800-541-2050	EP-SDW-SCRO-Notes@pa.gov
Susan Werner	610-916-0100	suwerner@pa.gov

Notes:

Reported to Customer By (Signature) Date/Time

Reported to PADEP By (Printed) Date/Time

Client Contacted Via Written Notice Date/Time

Reported to PADEP By (Signature)

Client Contacted Via Telephone Date/Time

The testing laboratory must notify the Public Water Supplier by telephone within 1 hour (or the appropriate DEP regional office by telephone within 2 hours) of the determination that an MCL violation has occurred for any Safe Drinking Water Act (SDWA) compliance testing result that is at or above the listed MCL for that contaminant code. Written notification must be provided to the appropriate DEP regional office within 24 hours.

107 Angelica Street ○ Reading, PA 19611 ○ www.mjreider.com ○ (610) 374-5129 ○ fax (610) 374-7234