

**CONSUMER CONFIDENCE REPORT FOR 2017
QUINCY TOWNSHIP
7575 MENTZER GAP RD.
WAYNESBORO, PA 17268**

DEP ID # 7280025

Disponible en Español

El texto original de este informe se encuentra disponible en el idioma Inglés, Sin embargo una versión en español está disponible para ayudar e informar a la población de habla hispana a obtener una mejor comprensión de su servicio de agua potable. The original text of this report is available in the English Language, a translation of this original will assist and inform the Spanish speaking population to gain an understanding of the status of the local public water system.

Quincy Township is pleased to present to you this report as required by the Environmental Protection Agency (EPA) and the Pennsylvania Department of Environmental Protection (DEP). The contact person for water system information is Travis Schooley, certified by the state of Pennsylvania to operate water systems, and can be reached by calling (717) 762-5679.

OPERATOR:

Travis Schooley, is certified by the state of Pennsylvania to operate water systems, and was the Plant Operator of record for the water service in 2017. The Quincy Township Water System meets all the standards established by DEP and EPA.

OPERATION:

There are two water storage tanks which are used for fire protection and drinking water comprising 200,000 gallons. We chlorinate and soften the water as we pump it at the treatment facility. Water pressure of 55 PSI is created by the high elevation of the two water tanks on the hill.

There are two wells, #1 and #2. Both wells are a ground water source. Well #1 is located on the lower area of the property. The storage tanks are located approximately ½ mile away from well #1 on the higher area of the property. The two areas are connected by a 4" pipe. Well #2 is located near the water treatment plant which is beside the two water storage tanks.

Pressure switches are used to keep both water storage tanks full at all times. The pumps can pump 4,000 gallons/hr. We have spare standby pumps.

The water system has two water softeners which use salt and automatically recharge at a predetermined setting. The water is softened to a 40-60 ppm range of hardness.

Quincy Township requires that lead free material be used on any solder joint. The enforcement of this policy is overseen by the Code Enforcement Officer.

Quincy Township Supervisors meet on a regular basis as per the advertised meeting schedule. Any concerns should be forwarded to the Township Supervisors by calling (717) 762-5679.

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

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|---|
| Non-Detects (ND) – Laboratory analysis indicates that the contaminant is not present at the 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 Microgram per liter (Microgram/l) – One part per billion corresponds to one minute in 2,000 years, or single penny in \$10,000,000. |

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|---|
| Parts per trillion (ppt) or Nanograms per liter (nanograms/l) – One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000. |
| Parts per quadrillion (ppq) or Picograms per liter (picograms/l) – One part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000. |
| Picocuries per liter (pCi/L) – Picocuries per liter is a measure of the radioactivity in water. |
| Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. |
| Treatment Technique (TT) – A treatment technique is a required process intended to reduce the level of a contaminant in drinking water. |
| Maximum Contaminant Level (MCL) - The “Maximum Allowed” 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 Contaminant Level Goal (MCLG) – The “Goal” is the level of a contaminant in drinking water below which there is no known or expectant risk to health. MCLGs allow for a margin of safety. |
| VOC – Volatile Organic Chemicals. |
| IOC – Inorganic Chemicals. |
| SOC – Synthetic Organic Chemicals. |
| RAD – Radioactive Contaminants including gross alpha, combined uranium, radium-226, and radium-228. |
| ML – Milliliter. |
| 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 contamination. |

TESTING PERFORMED IN 2017 AND SCHEDULE

As you can see in the tables, Testing for IOCs, SOCs, VOCs, RADs, and Lead/Copper has been performed in 2016 and all contaminants were either not present at the detectible level (ND) or present within the permitted maximum contaminant level (MCL) allowable limits.

| Contaminant | Testing | Sampling Interval |
|-------------------------|-----------|-------------------|
| Chlorine Residual | See Below | Monthly |
| Total Coliform Presence | ND | Monthly |

| | | |
|-------------------|----------------------|---------------|
| SOCs | Last 2015, next 2018 | Tri-annually |
| IOCs | Last 2015, next 2018 | Tri-annually |
| VOCs | ND | Annually |
| RADs | Last 2013, next 2022 | Every 9-Years |
| Lead/Copper | Last 2016, next 2019 | Tri-annually |
| TTHM/HAA5 | Last 2015, Next 2018 | Tri-Annually |
| Nitrites/Nitrates | See Below | Annually |

TEST RESULTS NON-DETECT LIST

| | |
|--|----|
| VOCs Date: 1/25/2017 & 5/3/2017 | |
| All | ND |

| NITRITE Date: 5/30/17 | RESULTS | VIOLATION | Typical Source of Contaminant |
|--|---------|-----------|---|
| Nitrite as Nitrogen | 0 | No | Fertilizer from farming is the likely source. MCL 1 mg/l |

**TEST RESULTS:
DETECT LIST**

| NITRATE Date: 05/30/2017 | RESULTS | VIOLATION | Typical Source of Contaminant |
|---|---------|-----------|--|
| Nitrate as Nitrogen | 3.4 | No | Fertilizer from farming is the likely source. MCL 10 mg/l |

| CHLORINE Date: 01/01/17 to 12/31/17 | RESULTS Highest monthly average | RANGE OF DETECTION | VIOLATION | Typical Source of Contaminant |
|--|--|-----------------------|-----------|--|
| Chlorine (ppm) | 0.82 ppm | 0.41 – 1.12 ppm | No | Water additives used to control microbes MRDL 4.0 ppm MRDLG 4.0 ppm |

SUMMARY:

As you can see in the tables, not all test dates were for the year 2016. Regulatory Agencies allow us to monitor for some contaminants less than once a year because the concentrations of these contaminants do not change frequently. Therefore, some of our data, though representative, are more than one year old. We have included the most recent test available.

A Source Water Assessment of our sources of water was completed in 2007 by the PA Department of Environmental Protection. The Assessment has found that our sources are potentially most susceptible to road deicing materials, accidental spills along the road, and pesticides applied to agriculture lands. Overall, our sources have little risk of significant contamination. Summary reports of the Assessment are available by writing to: Quincy Township, 7575 Mentzer Gap Rd., Waynesboro, PA 17268. Copies of the complete report are available for review at the PADEP South Central Regional Office, Records Management Unit at (717)705-4732.

MCL's are set at very stringent levels for good health effects. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

All sources of drinking water are subject to potential contamination by constants 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 Hot Line at **800-426-4791**.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as individuals with cancer undergoing chemotherapy, who have undergone organ transplants, 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 provider. **EPA/CDC** (Center for Disease Control) guidelines on appropriate means to lessen the risk of infections by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (**800-426-4791**).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity.

Contaminants that may be present in water include:

- Microbial contaminants such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can 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 storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

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

In order to ensure that 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. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Quincy Township has a modern and reliable system with no violations. Well #2 is used on a regular basis with Well #1 as a back-up. Each user will be notified if any test result exceeds the limit established by EPA and DEP.

Please call or write if you have any questions.