



## 2010 Moscow Water Quality Report, PWSID# PA2350027

*Este informe contiene información muy importante sobre su agua de beber.  
Tradúzcalo o hable con alguien que lo entienda bien.*

### About Your Drinking Water

Aqua Pennsylvania, Inc. (Aqua) is pleased to provide you with important information about your drinking water in this 2010 Consumer Confidence Report for the Moscow Water System (public water supply ID# PA2350027). The report summarizes the quality of water Aqua provided in 2010 - including details about water sources, what the water at your tap contains, and how it compares to standards set by regulatory agencies. We are pleased to report that we were in compliance with all water quality regulations in 2010. Although the report lists only those regulated substances that were detected in your water, we test for more than what is reported. This report is only a summary of our testing during 2010. If you have any questions about the information in this report, please call 570.647.0358 or visit our website at [www.aquapennsylvania.com](http://www.aquapennsylvania.com).

### Sources of Supply

Water for the Moscow Water System comes from one well. The Pennsylvania Department of Environmental Protection (DEP) has completed a source water assessment for the groundwater source for this system. Information on source water assessments is available on the DEP Web site at [www.depweb.state.pa.us](http://www.depweb.state.pa.us) (DEP keyword "source water"). Complete reports are distributed to municipalities, water suppliers, local planning agencies, and DEP offices.

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 radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source 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 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, stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organics, are byproducts of industrial processes and petroleum production and can also come from gas stations, urban stormwater 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 prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline at 800.426.4791.

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 at 800.426.4791.

Our water systems are designed and operated to deliver water to our customers' plumbing systems that complies with state and federal drinking water standards. This water is disinfected using chlorine, but it is not necessarily sterile. Customers' plumbing, including treatment devices, might remove, introduce or increase contaminants in tap water. All customers, and in particular operators of facilities like hotels and institutions serving susceptible populations (like hospitals and nursing homes), should properly operate and maintain the plumbing systems in these facilities. You can obtain additional information from the EPA's Safe Drinking Water Hotline at 800.426.4791.

The following table lists contaminants that were detected in the water system. The table provides average, minimum and maximum levels of regulated contaminants found in samples collected from this system.

### Aqua Pennsylvania, Inc., Moscow Water System, PWSID # PA2350027

| Contaminants  | Average Detection | Range of Detections | MCL      | MCLG      | Sample Date | Violation Y/N | Major Sources in Drinking Water         |
|---|-------------------|---------------------|----------|-----------|-------------|---------------|---|
| Total Coliform Bacteria   | 0                 | NA                  | 1        | 0         | 2010        | N             | Naturally present in the environment    |
| Of 12 monthly samples collected in 2010, none was positive for Total Coliform Bacteria. |                   |                     |          |           |             |               |   |
| Chlorine, ppm   | 0.6               | 0.5 - 0.7           | MRDL = 4 | MRDLG = 4 | 2010        | N             | Water additive used to control microbes |
| Barium, ppm   | 0.03              | NA                  | 2        | 2         | 2003        | N             | Erosion of natural deposits             |
| Uranium, ppb  | 0.7               | NA                  | 30       | 0         | 2003        | N             |   |

| Lead and Copper | 90th Percentile | Total Number of Samples | Samples Exceeding Action Level | Action Level | MCLG | Sample Date | Violation Y/N | Major Sources in Drinking Water |
|-----------------|-----------------|-------------------------|--------------------------------|--------------|------|-------------|---------------|---------------------------------|
| Copper, ppm     | 0.09            | 10                      | 0                              | 1.3          | 1.3  | 2010        | N             | Corrosion of household plumbing |
| Lead, ppb       | ND              | 10                      | 0                              | 15           | 0    | 2010        | N             |                                 |

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. Aqua 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>.

**Water Source:** one well

**Municipalities Served:** Moscow Borough, Covington Township, Lackawanna County.

#### Notes:

**Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements.

**Fluoride:** Fluoride may help prevent tooth decay if administered properly to children, but can be harmful in excess. Customers in the Moscow Water System receive water from unfluoridated supplies. For more information about fluoride in your tap water, call Aqua at 570.647.0358. This information may be helpful to you, your pediatrician or your dentist in determining whether fluoride supplements or treatment are appropriate.

**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. Some levels are based on a running annual average.

**Maximum Contaminant Level Goal (MCLG):** 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 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.

**NA:** Not applicable.

**ND:** Not detected.

**pCi/L, picocuries/Liter:** A unit of concentration for radioactive contaminants.

**ppb:** A unit of concentration equal to one part per billion.

**ppm:** A unit of concentration equal to one part per million.

**PWSID:** Public water supply identification number.

## IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

**ESTE INFORME CONTIENE INFORMACION MUY IMPORTANTE SOBRE SU AGUA DE BEBER. TRADUZCALO O HABLE CON ALGUIEN QUE LO ENTIENDA BEIN.**

### **Monitoring Requirements Not Met for Aqua Pennsylvania, Inc. Moscow PWS ID# PA2350027 Moscow Borough and Covington Township, Lackawanna County**

Our water system violated a drinking water standard during April, 2011. Even though this is not an emergency, as our customer you have a right to know what happened and what we did to correct this situation.

The Pennsylvania Department of Environmental Protection (PADEP) enacted a new requirement in April, 2011 for systems using ground water sources that serve more than 500 people. The new regulations require that specified disinfection residual levels be maintained and the daily minimum levels be reported at the end of each month. The Moscow well station has a continuous chlorine monitor with alarms to ensure adequate disinfection. However, during the month of April, 2011 our data collection equipment failed to record the chlorine readings. We do know that the chlorine monitor was working throughout the month. The fact that no low level alarms were triggered demonstrates that adequate disinfection was maintained. Routine bacteria samples collected in April from the distribution system were clear with a normal level of disinfectant.

#### **What should I do?**

**There is nothing you need to do at this time.** You may drink the water. This is not an emergency. If it had been, you would have been notified immediately.

#### **What happened? What was done?**

During the month of April, 2011 we were required to continuously monitor and record the daily minimum chlorine residual. Although we did continuously monitor the chlorine residual, we were not able to report the daily minimum value for each day of the month due to technical issues with our data collection equipment.

We are rectifying the issues with our data collection equipment and expect to be able to report the required daily minimum chlorine values going forward to be in compliance with this new Pennsylvania requirement.

For more information, please contact Aqua's Customer Service at 1.877.987.2783.

*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 Aqua Pennsylvania.

PWS ID# PA2350027

Date distributed: June 2011