



# AUDUBON WATER COMPANY

## Water Quality Report January 1, 2010 to December 31, 2010

Dear Customer:

*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.)*

We are pleased to present a summary of the quality of the water provided to you during the past year. The Safe Drinking Water Act (SDWA) requires that utilities issue an annual "Consumer Confidence Report" to customers in addition to other notices that may be required by law. This report details where our water comes from, what it contains, and the risks our water testing and treatment are designed to prevent. AUDUBON WATER COMPANY is committed to providing you with the safest and most reliable water supply. Informed consumers are our best allies in maintaining safe drinking water.

### **The bottom line: Is the water safe to drink? Absolutely**

Find out more about AUDUBON WATER COMPANY on the Internet at [www.audubonwater.com](http://www.audubonwater.com). Our site includes this report and other information designed to educate our customers including ways you may be able to save on your usage and billing.

**Overview** - In 2010, Audubon Water Company continued system-wide improvement projects. This included the addition of a new supply well and the updating of existing well and pump stations.

**Water Source** - Audubon Water Company is supplied by ground water pumped from twelve (12) wells, most of which are near the Audubon section of Lower Providence Township.

**Required Additional Health Information** - To ensure that tap water is safe to drink, EPA prescribes limits on the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water.

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 Safe Drinking Water Hotline (800-426-4791).

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 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 water include:**

- (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- (B) 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.
- (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, storm water runoff, and residential uses.
- (D) Organic chemical contaminants, including synthetic and volatile organics, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff and septic systems.
- (E) 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 which 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.

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 infection. 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* are available from the Safe Drinking Water Hotline (800-426-4791).

### **National Primary Drinking Water Regulation Compliance**

#### **Other Monitoring**

Audubon Water Company was selected by the Environmental Protection Agency (EPA) to participate in the second cycle of the Unregulated Contaminant Monitoring Regulation (UCMR2). All of Audubon Water's wells were below minimum reporting levels. This program helps the EPA to determine what contaminants could be in the nation's water supply and if they should be regulated. The results are available from Audubon Water Company upon request.

To contact AUDUBON WATER COMPANY call J.H. Russell at 610-630-1200 or visit our web site. [www.audubonwater.com](http://www.audubonwater.com)

## Water Quality Table

<u>Detected Parameter</u>	<u>Unit</u>	<u>MCL</u>	<u>MCLG</u>	<u>Avg. Detect Level</u>	<u>Range</u>	<u>Major Source</u>	<u>Compliance Achieved?</u>
<b><u>Inorganic Contaminants</u></b>							
NITRATE	ppm	10	10	2.02	0.28-3.30	Erosion of natural deposits; Runoff from fertilizer use; Leaching from septic tanks; Sewage	YES
ARSENIC	ppb	10	0	2.6	0-6.8	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes	YES
BARIUM	ppm	2	2	0.55	0-0.55	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits.	YES
<b><u>Volatile Organic Contaminants</u></b>							
CARBON TETRACHLORIDE	ppm	0.005	0	0.0001	0-.0002	Discharge from metal degreasing sites and other factories.	YES
TETRACHLOROETHYLENE	ppm	0.005	0	0.0002	0-.0006	Discharge from metal degreasing sites and other factories.	YES
<u>Contaminate</u>	<u>Unit</u>	<u>Action Level</u>	<u>MCLG</u>	<u>90th Percentile Value</u>	<u># of Sites Above AL of All Sites</u>	<u>Major Source</u>	<u>Compliance Achieved?</u>
LEAD	ppb	15	0	4.8	1-24	Corrosion of household plumbing	YES
COPPER	ppm	1.3	1.3	0.33	1-24	Corrosion of household plumbing	YES
<b><u>Radiologics</u></b>							
ALPHA EMITTERS	pCi/l	15 pCi/l	0	2.15	1.30-3.01	Erosions of natural deposits	YES
RADIUM 226	pCi/l	5 pCi/l	0	0.581	0.36-0.79	Erosions of natural deposits	YES
RADIUM 228	pCi/l	5 pCi/l	0	0.433	0.30-0.56	Erosions of natural deposits	YES
URANIUM	pCi/l	30 pCi/l	0	0.99	1.09-0.89	Erosions of natural deposits	YES

**Audubon Water Company**  
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### How to Read The Water Quality Table

This report is based upon tests conducted in the year 2009 by Audubon Water Company. Terms used in the Water Quality Table and in other parts of this report are defined here.

**Maximum Contaminant Level or MCL:** The highest level of contaminant that is allowed in drinking water MCL's are set as close to the MCLGs as feasible using the best available treatment technology.

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

**Regulated Contaminants:**

**Key**

MCL = Maximum Contaminant Level

MFL = million fibers per liter

MRDLG = Maximum Residual Disinfectant Level Goal

N/A = Not Applicable

pCi/l = picocuries per liter (a measure of radioactivity)

ppb = parts per billion, or micrograms per liter (ug/l)

ppq = Parts per quadrillion, or picograms per liter

AL = Action Level

MCLG = Maximum Contaminant Level Goal

MRDL = Maximum Residual Disinfectant Level

mrem/year = millirems per year (a measure of radiation absorbed by the body)

NTU = Nephelometric Turbidity Units (a measure of water clarity)

ppm = parts per million, or milligrams per liter (mg/l)

ppt = parts per trillion, or nanograms per liter

TT = Treatment Technique

### Water Quality Table Footnotes

Although we ran many tests, only the listed substances were found. They are all below the MCL required.