



# 2005 Water Quality Report



Presented by



**City of Phoenix  
Water Services Department**

The city is pleased to provide this Consumer Confidence Report, also known as a Water Quality Report, which summarizes the results of millions of tests and measurements performed throughout Phoenix's water treatment plants and the water distribution system. Throughout 2005, tap water delivered to more than 1.4 million residents served by the City of Phoenix Water Services Department was tested for more than 100 substances.

*To acquire this publication in Braille, large print or audio tape, contact the City of Phoenix Water Services Department at 602-262-6251, or 602-534-1113/TTY.*

*Este informe contiene información importante sobre su agua potable. Si desea esta publicación impresa en español, braille, letra grande o en casete de audio comuníquese el Departamento Municipal de Phoenix del Servicio del Agua, al 602-262-6251, ó 602-534-1113/TTY.*

## Where Does Our Water Come From?

The sources of Phoenix's drinking water include rivers, lakes, streams, springs and wells. In 2005, about 98 percent of Phoenix's water came from surface water that mostly started as snow pack. Phoenix's primary sources of untreated surface water are the Salt, Verde and Colorado rivers. Some water from the Agua Fria River is mixed with water from the Colorado River when stored in Lake Pleasant. The water is then delivered to one of the city's five water treatment plants. Colorado River water is delivered to the city via the Central Arizona Project (CAP) aqueduct. Water from the Salt and Verde rivers is delivered via the Salt River Project (SRP) canal network. The remaining two percent of drinking water was supplied by about 30 groundwater wells operated by the city.



## Working on Taste and Odor

Taste, odor and hardness are not regulated under drinking water health standards. However, these are harmless, aesthetic aspects that some consumers may notice.

Algae that grow in the canals during the late summer and fall are a major source of a "musty" odor and taste detected by some consumers. When the algae bloom, they produce a strong odor. Even though the algae are removed from the water during the treatment process, the odor may linger. (The result is similar to removing a bouquet of fresh flowers from a room. Even though the flowers are gone, the aroma remains.)

The city of Phoenix is working to eliminate the aesthetic effects of algae through various programs, including a cooperative effort to remove algae from the SRP canals that feed the water treatment plants, and the use of activated carbon to absorb residual odors.

Water hardness indicates the presence of minerals, such as calcium and magnesium, which originate from the soils our source water contacts as it travels to Phoenix's water treatment plants. These minerals are leached into the water. Hard water can cause some types of scaling in pipes and water heaters, and on plumbing fixtures such as faucets and showerheads. See the chart below for data about hardness and other aesthetic parameters.

**2005 Aesthetic Water Quality Analysis from Distribution System  
and Secondary Drinking Water Guidelines**

Substance	Units	Secondary Guideline *	Lowest Detected Level	Highest Detected Level
Alkalinity	ppm	NA	83	134
Iron	ppm	0.3	ND	ND
pH	NA	6.5 - 8.5	7.0	8.1
Sodium	ppm	NA	23	160
Temperature	°C °F	NA	14 57	39 102
Total Dissolved Solids (TDS)	ppm	500	254	666
Total Hardness	ppm grains/gallon	NA	138 8	271 16

\* Non-Enforceable Guidelines Recommended by EPA.

If you choose to install home treatment systems to remove taste and odor or other substances, it is important to note that failure to follow the manufacturer's instructions concerning operation and maintenance can result in potentially unsafe water. More information about home treatment systems is available from the Arizona Water Quality Association at 480-947-9850 or by writing to 6819 E. Diamond St., Scottsdale, AZ 85257.



## Understanding the Language of Water

The following are definitions of terms used to describe types of limits for substances that may be found in drinking water.

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

microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of 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.

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


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

Part per million/part per billion - One part per million (1 ppm) or one milligram per liter (1 mg/L) is approximately equal to one drop of bubble bath in a whole bathtub full of water (about 50 gallons). One part per billion (1 ppb) or one microgram per liter (1 µg/L) is approximately equal to one drop of bubble bath in 1,000 bathtubs full of water (about 50,000 gallons), or is approximately one second of time in 32 years.

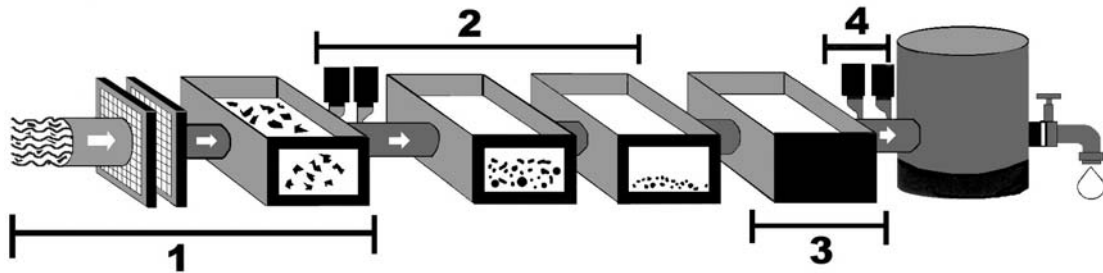


## Important Information for People at Risk of Infections

**A**lthough the city treats our water to meet or surpass all drinking water standards, some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as those undergoing chemotherapy, people who have undergone organ transplants, those with HIV/AIDS or other immune system disorders, some elderly people and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. Environmental Protection Agency (EPA) and Centers for Disease Control (CDC) guidelines about appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the EPA Safe Drinking Water Hotline at 800-426-4791.



## How Does Phoenix Produce Superior Drinking Water?



1) Screening and Presedimentation - Large particles such as plant matter debris, and other materials commonly found in river water are removed by screens or settle to the bottom of the presedimentation tank.

2) Coagulation, Flocculation and Sedimentation - A chemical coagulant, such as alum or ferric chloride, is added to the water. This causes the tiny particles to cling together and become heavy enough to settle to the bottom of the basin.

3) Filtration - The cleaner water on the top then passes through filters to remove remaining particulate matter.

4) Disinfection - A small quantity of chlorine, a disinfectant, is added to prevent microbial growth. Also a small quantity of fluoride is added to prevent tooth decay.

## Water Treatment Process Designed to Remove Turbidity

The filters in the water treatment process produce water of superior clarity. Turbidity readings are a measure of that water clarity and a good indicator that the treatment process is removing tiny particles, including micro-organisms. The standard for turbidity or clarity after treatment is

0.3 Nephelometric Turbidity Units (NTU - a measure of clarity) in at least 95 percent of the measurements taken each month, and must not exceed 1 NTU. In 2005 water produced at the Val Vista Water Treatment Plant - one of the city's five plants - exceeded the 1 NTU standard. For more details, see the section titled, "Turbidity and Missed Monitoring Violations."

2005 Turbidity Monitoring after Treatment at the Water Treatment Plants					
Substance	Treatment Technique applies instead of MCL	MCLG	Highest Measurement	Lowest Monthly Percentage	Major Source in Drinking Water
Turbidity	No value can exceed 1 NTU and at least 95% of monthly measurements must be less than or equal to 0.3 NTU	N/A	2.5 NTU	96 % of monthly measurements were less than or equal to 0.3 NTU	Soil runoff



## Tests Show No Cryptosporidium and Giardia in Our Drinking Water

Phoenix tests both raw untreated and treated water for various microbiological organisms, including Cryptosporidium (often called Crypto, for short) and Giardia. Crypto and Giardia cause diarrheal illness through ingestion of soil, food, water or surfaces that have been contaminated with feces from infected humans or animals. There were no cases of the disease caused by either organism attributed to the public water supply in our service area.

As in previous years, Crypto and Giardia were not found in tap water after the water treatment process. However, low levels of Crypto and Giardia were found in raw water before it was treated by the water treatment plants. For more information about Cryptosporidium, Giardia and other microbial contaminants, contact the EPA's Safe Drinking Water Hotline at 800-426-4791.

Watch *WATERways* on Phoenix Channel 11 to learn more about how Phoenix keeps your water flowing.

[www.phoenix.gov/11](http://www.phoenix.gov/11)

# Water Quality and Substances Contained in Source Water

To ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water.

It is reasonable to expect drinking water, including bottled water or water that passed through home treatment systems, to contain at least small amounts of some contaminants. 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 from human activity. However, the presence of contaminants does not necessarily indicate that water poses a health risk.

Contaminants that may be present in source water include the following:

- Microbial contaminants, such as viruses and bacteria, that may be from wastewater treatment plants, septic systems, agricultural livestock operations, or wildlife;
- Inorganic contaminants, such as salts and metals, that 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, that 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, that are byproducts of industrial processes, petroleum production, and can also come from gas stations, urban storm water runoff, septic systems; and
- Radioactive contaminants that can be naturally-occurring or can be the result of oil and gas production and mining activities.

More information about contaminants and potential health effects can be obtained by calling the EPA Safe Drinking Water Hotline, 800-426-4791. Information on bottled water can be obtained from the U.S. Food and Drug Administration.



## Turbidity and Missed Monitoring Violations

In January 2005, heavy runoff from severe rainfall created filtration challenges at the Val Vista Water Treatment Plant resulting in higher than normal turbidity levels. From January 23 to January 25, there were times when turbidity levels exceeded the regulatory standard of 1 NTU, and the city was unable to collect the required number of turbidity measurements from the filters. City staff restored the filtering system back to proper operating conditions and repaired the turbidity monitoring system so that the required number of samples could be collected.

Turbidity is a measure of the clarity of drinking water and is a good indicator of the effectiveness of the filtration system at the water treatment plants. Turbidity itself has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

The city informed its customers via the media that the water leaving the plant was not meeting the drinking water standard and to boil their water before use. Throughout the event the city diligently tested and monitored the distribution system for turbidity and coliform bacteria. A presence of coliform bacteria indicates that the water may be contaminated; however, no coliform bacteria were detected in the distribution system throughout the duration of the turbidity event. The city also strategically flushed the water mains to purge high turbidity water from the pipelines. Additionally, the city increased disinfection (chlorine) levels for added safety.

The city was in contact with the Maricopa County Environmental Services Department (MCESD), who provided guidance during the event. The boil water advisory was rescinded on January 26 by MCESD.

## Phoenix Monitors for Unregulated Contaminants

**U**nregulated substances are those for which EPA has not established drinking water standards. Phoenix monitors for these substances to assist the EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

In 2002, the city of Phoenix monitored for a group of twelve unregulated substances at its drinking water wells and water treatment plants. Phoenix did

not detect any of these unregulated contaminants in the water except for perchlorate. Of the 73 samples collected for perchlorate, two samples had perchlorate levels above the detection limit of 4.0 parts per billion (ppb). These samples had perchlorate levels of 5.1 and 5.2 ppb with an average level of 0.1 ppb.

In addition, Phoenix collected samples in 2004 to gather more current information on the occurrence of perchlorate in the city's distribution system. Ninety percent of the 392 samples collected throughout the year showed no detectable levels of perchlorate. The highest level found in the water was 5.4 ppb, which is similar to the previous sampling. The State of Arizona has established a recommended health-based guidance level at 14 ppb. The city's monitoring shows that the perchlorate level is well below that recommended guidance level.

Perchlorate is the primary ingredient in solid propellant used in the manufacturing of rockets, missiles, and fireworks. Also, perchlorate salts are used on a large scale as a component of air bag inflators. In the body, perchlorate interferes with iodide uptake into the thyroid gland. Such an effect decreases production of thyroid hormones, which are needed for prenatal and postnatal growth and development, as well as for normal body metabolism.



## Disinfectants and Disinfection Byproducts Are Controlled

Phoenix's entire water supply (well water and treated surface water) is safely disinfected with chlorine before being delivered to consumers. Federal law requires a minimum chlorine disinfectant level of 0.2 parts per million (ppm) in the water leaving a water treatment plant. There also is a Maximum Residual Disinfectant Level (MRDL) allowed in the water in the distribution system as it travels to your tap.

While it is essential to disinfect the water to prevent widespread outbreaks of serious diseases and comply with EPA standards, the use of disinfectants can create disinfection byproducts (DBPs), which are formed when natural organic matter such as total organic carbon (TOC) in water reacts with chemicals used for disinfection.

To control those disinfection byproducts TOC is measured in the surface water before and after treatment. TOC is reduced during the water treatment process at the plant, therefore, reducing formation of DBPs in the distribution

system. Compliance for TOC is based on the removal ratio of TOC on a running annual average. A value of 1 or greater indicates the water treatment plant is in compliance with the TOC removal requirements. Again, Phoenix met the requirement, as shown in the corresponding chart.

To determine formation of DBPs in the distribution system, the city monitors for Trihalomethanes (THMs) and Haloacetic Acids (HAAs) which are DBPs that may cause long-term health effects at certain concentrations. THMs and HAAs are sampled throughout the distribution system every quarter. Then, a running annual average of all samples is calculated to determine compliance with the Maximum Contaminant Level (MCL). Based on those sampling criterion, the city's running annual average was below the MCL.

<b>2005 Disinfectant and Disinfection By-product Monitoring</b>							
<b>Substance</b>	<b>Units</b>	<b>MCL</b>	<b>MCLG</b>	<b>Lowest Level</b>	<b>Highest Level</b>	<b>Highest Running Annual Average</b>	<b>Major Source in Drinking Water</b>
Chlorine	ppm	MRDL = 4.0	MRDLG = 4.0	0.1	3.7	1.1	Water additive used to control microbes
Total Organic Carbon Removal Ratio	NA	TT = 1 or greater Running Annual Average	NA	0.7	3.6	1.0 (lowest running annual average)	Naturally present in the environment
Total Trihalomethane (TTHM)	ppb	80 Running Annual Average	NA	ND	167	78	By-product of drinking water disinfection.
Haloacetic Acids (HAA)	ppb	60 Running Annual Average	NA	ND	148	36	By-product of drinking water disinfection.



## Lead and Copper Standards Met

Lead and copper usually enter our drinking water from corrosion of household plumbing, pipes and fixtures that contain these metals, such as copper piping, lead solder or brass fixtures. The EPA requires water

suppliers to perform periodic tests for lead and copper in the tap water from inside consumers' homes. Tests show levels in Phoenix household tap water met the Action Level required by federal drinking water standards for lead and copper.

While Phoenix meets the Action Level, lead and copper levels at some consumer's homes may be elevated due to leaching of the metals into the water from materials used in the household plumbing or fixtures. Infants and young children typically are more vulnerable to lead in drinking water than the general population. Those concerned about elevated lead levels in their home's water may wish to have a private laboratory test their water. To reduce levels in your home's water, run the tap for 30 seconds to two minutes to flush the house line when the water has not been used for more than eight hours. (Because water is so precious, catch the flushed water in a container and use it to water plants). Also, use only cold water for drinking, cooking or preparing beverages because hot water dissolves lead more quickly than cold water.

<b>2005 Results of Lead and Copper Sampling from Residential Water Taps</b>					
<b>Substance</b>	<b>Action Level (AL) applies instead of MCL</b>	<b>MCLG</b>	<b>90% of taps were less than or equal to this value</b>	<b>Number of sites above the AL</b>	<b>Major Source in Drinking Water</b>
Lead	90% of taps tested must not exceed 15 ppb	0	3 ppb	Zero (0) out of 52 taps sampled	Corrosion of household plumbing systems
Copper	90% of taps tested must not exceed 1.3 ppm	1.3 ppm	0.27 ppm	Zero (0) out of 52 taps sampled	Corrosion of household plumbing systems



## Where to Learn More About the Quality of Our Water

If you have questions about this report, concerns about water quality, or input about your water supply, treatment and water delivery call Phoenix Water Services' Customer Services at 602-262-6251 during normal business hours (Monday through Friday, except holidays, from 8:00 a.m. to 5:00 p.m.), or write to: "Water Quality Questions," c/o City of Phoenix Water

Services Department, 200 W. Washington St., 9<sup>th</sup> Floor, Phoenix, AZ 85003-1611.


Citizens who wish to address the Phoenix City Council about water issues or other non-agenda items may do so at the Citizen Request Sessions at City Council Formal meetings, which are held in the City Council Chambers, 200 W. Jefferson St. For information about specific meeting times and agenda items, please contact the City of Phoenix City Clerk Department at 602-262-6811, or visit [www.phoenix.gov](http://www.phoenix.gov) and click "Public Meetings."

For alternate formats, contact Customer Services at 602-262-6251/Voice, or 602-534-1113/TTY, or 602-534-1192/FAX. You also can visit the city's web site at [www.phoenix.gov](http://www.phoenix.gov) for more information. An online version of this report is available at [www.phoenix.gov/WATER/qualrept.html](http://www.phoenix.gov/WATER/qualrept.html)

You also may call the EPA's Safe Drinking Water Hotline for information about the Safe Drinking Water Act or EPA's other drinking water programs at 800-426-4791.

### World Wide Web sites that provide information about drinking water

- Arizona Department of Health Services - [www.azdhs.gov](http://www.azdhs.gov)
- Maricopa County Environmental Services Department - [www.maricopa.gov/envsvc](http://www.maricopa.gov/envsvc)
- U.S. Environmental Protection Agency - [www.epa.gov/ogwdw](http://www.epa.gov/ogwdw)
- Centers for Disease Control - [www.cdc.gov](http://www.cdc.gov)
- Arizona Department of Environmental Quality - [www.azdeq.gov](http://www.azdeq.gov)
- Tap Into Quality - [www.tapintoquality.com](http://www.tapintoquality.com)



Substances detected in the water and the Maximum Contaminant Level (MCL) allowed in drinking water according to federal and state regulations are shown in the tables in this report. This report lists only the substances that were detected in the water. If you would like to receive a list of all the substances tested in city of Phoenix water, please contact the Water Services Department's Compliance and Regulatory Affairs Office at 602-262-4992. Please note, the simple presence of a substance or contaminant in drinking water does NOT necessarily indicate the drinking water poses a health risk.

## Source Water Assessment Summary for the City Drinking Water Sources

In 2005, the Arizona Department of Environmental Quality (ADEQ) conducted a source water assessment for the drinking water wells and the surface water sources for the city of Phoenix water treatment plants. This assessment reviewed the adjacent land uses that may pose a potential risk to the water sources. These risks include, but are not limited to, gas stations, landfills, dry cleaners, agricultural fields, wastewater treatment plants, and mining activities. Once ADEQ identified the adjacent land uses, they were ranked as to their potential to affect the water source.

The assessment has designated water from the CAP aqueduct to have a high risk because the source water is often stored in Lake Pleasant prior to being transported to a city water treatment plant. There have been reportable releases or spills of a substance at a facility near the lake that have not been reported as being remediated. The spill at this facility makes the CAP source water susceptible to potential future contamination.

ADEQ currently plans to re-assess source water from the SRP canals. Since Phoenix uses SRP canal water, the Source Water Assessment ADEQ prepared for the Phoenix water system may be revised.

Phoenix insures the safety of your drinking water by continuously monitoring the treated water as required by drinking water regulations. Phoenix also conducts other monitoring and studies to assess water quality. If any contaminant approaches the drinking water MCL, treatment is installed or wells are removed from service. Residents can help protect our water sources by practicing good septic system maintenance, taking hazardous household chemicals to hazardous material collection sites, and limiting pesticide and fertilizer use.

The complete report is available for review at ADEQ, 1110 W. Washington St., Phoenix, AZ 85007 or by requesting an electronic copy from ADEQ at [dml@azdeq.gov](mailto:dml@azdeq.gov). For more information visit the ADEQ website at: [www.azdeq.gov/environ/water/dw/swap.html](http://www.azdeq.gov/environ/water/dw/swap.html), or contact the Phoenix Water Services Department's Compliance and Regulatory Affairs Office at 602-262-4992.

### New Arsenic Standard in Effect January 23, 2006

Effective on January 23, 2006, the EPA lowered the allowed arsenic level from 50 ppb to 10 ppb. Under the new standard, all Phoenix water treatment plants

and wells must be in compliance with the new level or be disconnected from the water distribution system by the effective date.

The City of Phoenix Water Services Department is committed to complying with drinking water standards. In fact, the city of Phoenix was the first city in the United States to build a permanent arsenic removal system at one of its well sites to comply with the new arsenic standard. The city currently has several such arsenic treatment facilities that allow for the delivery of water that meets the new arsenic standard.

In Phoenix, about 98 percent of the city's water comes from surface water sources and are not impacted by a high arsenic level. Arsenic is a naturally occurring mineral that is commonly found in the desert soils, and because of this, arsenic is commonly found in groundwater wells. Many groundwater wells in Arizona are impacted by the naturally occurring arsenic at levels that exceed the new standard.

As part of the overall compliance strategy, the city has physically disconnected any wells from delivering water that is above the new standard. In the meantime the city is working to install arsenic treatment at well sites for future use. For more information about our efforts to meet the new arsenic standard, please contact the Phoenix Water Services Department's Compliance and Regulatory Affairs Office at 602-262-4992.

**Please conserve water inside and outside of your home.  
Make wise water use part of your lifestyle.  
[www.wateruseitwisely.com](http://www.wateruseitwisely.com)**

## 2005 DETECTED Substances at Points where Water Enters the Distribution System

Substance	Units	MCL	MCLG	Lowest Level	Highest Level	Major Sources in Drinking water
1. Arsenic *	ppb	50	NA	ND	16.1	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
2. Barium	ppm	2	2	ND	0.22	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
3. Beryllium	ppb	4	4	ND	1.0	Discharge from metal refineries and coal burning factories; Discharge from electrical, aerospace, and defense industries.
4. Chromium	ppb	100	100	ND	82.1	Discharge from steel and pulp mills; Erosion of natural deposits.
5. Di (2-ethylhexyl) phthalate	ppb	6	0	ND	0.9	Common laboratory and field contaminant; Discharge from rubber and chemical factories.
6. Fluoride	ppm	4	4	ND	0.97	Erosion of natural deposits; Water additive, which promotes strong teeth; Discharge from fertilizer and aluminum factories.
7. Hexachlorocyclopentadiene	ppb	50	50	ND	0.11	Discharge from chemical factories.
8. Nitrate ** (as N)	ppm	10	10	ND	8.1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

**\* Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer. Please note that as of January 23, 2006 the arsenic MCL was lowered to 10 ppb. The results reported in the table above were collected in 2005 when the 50 ppb MCL still applied.**

**\*\*Nitrate in drinking water at levels greater than 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 for advice from your health care provider.**

**2005 DETECTED Radioactive Substances at Points where Water Enters the Distribution System**

Substance	Units	MCL	MCLG	Lowest Level	Highest Level	Highest Average	Major Source in Drinking Water
Alpha Emitters (collected 2004) *	pCi/l	15	0	1.5	5.2	5.2	Erosion of natural deposits
Combined Radium (collected 2003) *	pCi/l	5	0	ND	0.4	0.4	Erosion of natural deposits
Uranium (collected 2003) *	ppb	30	0	ND	5.0	5.0	Erosion of natural deposits

\* Most of the city drinking water sources were sampled in the year designated above; however, in 2005 a new well was put into service and monitored. The results above represent the new drinking water source as well as the other drinking water sources. The state allows monitoring for these substances less than once per year because the concentrations do not change frequently.

**2005 Microbiological Monitoring in the Distribution System**

Substance	MCL	MCLG	Highest monthly percentage of positive samples	Major Source in Drinking Water
Total Coliform Bacteria	Presence in no more than 5% of monthly samples	0	1.5 % (6 positive samples out of 391 samples)	Naturally present in the environment.

**ABBREVIATIONS / FOOTNOTES USED IN TABLES**

<b>NA</b>	Not Applicable
<b>ND</b>	Not detected (Substance was analyzed but not detected )
<b>pCi/L</b>	Picocuries per liter (a measure of radioactivity)