

## 2010 Consumer Confidence Report

2010 Consumer Confidence Report for 44504141 NICHOLS WATERWORKS

### Water System Information

If you would like to know more about the information contained in this report, please contact Roger Ort at (920) 525-2104.

### Health Information

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).

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 systems 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 Environmental Protection Agency's safe drinking water hotline (800-426-4791).

### Source(s) of Water

Source id Source Depth (in feet) Status

1 Groundwater 135 Active

To obtain a summary of the source water assessment please contact Roger Ort at (920) 525-2104

### Educational Information

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 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 stormwater 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 by-products 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 shall provide the same protection for public health.

#### Number of Contaminants Required to be Tested

This table displays the number of contaminants that were required to be tested in the last five years. The CCR may contain up to five years worth of water quality results. If a water system tests annually, or more frequently, the results from the most recent year are shown on the CCR. If testing is done less frequently, the results shown on the CCR are from the past five years.

#### Contaminant Group # of Contaminants

Disinfection Byproducts 2

Inorganic Contaminants 16

Microbiological Contaminants 2

Radioactive Contaminants 3

Synthetic Organic Contaminants including Pesticides and Herbicides 25

Unregulated Contaminants 4

Volatile Organic Contaminants 20

Disinfection Byproducts

Contaminant (units) MCL MCLG Level Found Range Sample Date (if prior to 2010) Violation

Typical Source of Contaminant

HAA5 (ppb) 60 60 1 1 NO

TTHM (ppb) 80 0 1.9 1.9 NO By-product of drinking water chlorination

#### Inorganic Contaminants

Contaminant (units) MCL MCLG Level Found Range Sample Date (if prior to 2010) Violation

Typical Source of Contaminant

BARIUM (ppm) 2 2 .152 .152 03/17/2008 NO Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

COPPER (ppm) AL=1.3 1.3 .0825 0 of 5 results were above the action level. 07/22/2008 NO

Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives

FLUORIDE (ppm) 4 4 .2 .2 03/17/2008 NO Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

LEAD (ppb) AL=15 0 2.85 0 of 5 results were above the action level. 07/22/2008 NO Corrosion of household plumbing systems; Erosion of natural deposits

NICKEL (ppb) 100 1.0000 1.0000 03/17/2008 NO Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and alloy products.

SODIUM (ppm) n/a n/a 10.30 10.30 03/17/2008 NO n/a

Radioactive Contaminants

Contaminant (units) MCL MCLG Level Found Range Sample Date (if prior to 2010) Violation

Typical Source of Contaminant

GROSS ALPHA, EXCL. R & U (pCi/l) 15 0 6.4 6.4 05/07/2009 NO Erosion of natural deposits

GROSS ALPHA, INCL. R & U (n/a) n/a n/a 6.4 6.4 05/07/2009 NO Erosion of natural deposits

GROSS BETA PARTICLE ACTIVITY (pCi/l) n/a n/a 3.8 3.8 05/07/2009 NO Decay of natural and man-made deposits. MCL units are in millirem/year. Calculation for compliance with MCL is not

possible unless level found is greater than 50 pCi/l.

RADIUM, (226 + 228) (pCi/l) 5 0 2.4 2.4 05/07/2009 NO Erosion of natural deposits

Unregulated Contaminants

Contaminant (units) MCL MCLG Level Found Range Sample Date (if prior to 2010) Violation

Typical Source of Contaminant

1,2,4-TRIMETHYLBENZENE (ppb) n/a n/a .30 nd- .90 NO n/a

BROMODICHLOROMETHANE (ppb) n/a n/a .37 .37 NO n/a

CHLOROFORM (ppb) n/a n/a 1.50 1.50 NO n/a

Volatile Organic Contaminants

Contaminant (units) MCL MCLG Level Found Range Sample Date (if prior to 2010) Violation

Typical Source of Contaminant

ETHYLBENZENE (ppb) 700 700 .3 nd- 1.0 NO Discharge from petroleum refineries

XYLENES, TOTAL (ppm) 10 10 .0016 nd- .0046 NO Discharge from petroleum factories;

Discharge from chemical factories

Definition of Terms

Term Definition

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

MCL Maximum Contaminant Level: 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.

MCLG Maximum Contaminant Level Goal: 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.

MFL million fibers per liter

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

NTU Nephelometric Turbidity Units

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

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

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

ppt parts per trillion, or nanograms per liter

ppq parts per quadrillion, or picograms per liter

TCR Total Coliform Rule

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