

Annual
WATER
QUALITY
REPORT

Reporting Year 2013



Presented By
Town of Queen Creek Water

WATER

PWS ID#: AZ0407033, AZ0411060

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

There When You Need Us

The Town of Queen Creek Water Division (“Water Division”) is proud to present the annual water quality report. This edition covers all testing completed January 1 through December 31, 2013. Over the years we have dedicated ourselves to producing drinking water that meets all state and federal standards. We continually strive to adopt new methods for delivering the best quality drinking water to you. As new challenges to drinking water safety emerge, we remain vigilant in meeting the goals of source water protection, water conservation, and community education while continuing to serve the needs of all our water users.

Please take a few minutes to look at the information provided; we believe you’ll find many reasons to feel good about the quality of your water and to use it with confidence.

2013 was an exciting year for the Water Division, as we were able to complete the acquisition and transition the operations of H2O, Inc., Water to the Town of Queen Creek. Integrating the former H2O, Inc., water company nearly doubled the size of our water service area and number of customer service connections. With the acquisition came over 13 million gallons of water storage capacity, almost 11 million gallons of active water pumping capacity, and over 50 million gallons of booster pump capacity.

The Water Division ended the year with almost 21,000 active connections, reflecting both the purchase of H2O, as well as the 750 new meters that were installed in 2013. By the end of 2014, the Water Division will be servicing approximately 22,000 active connections, with an estimated service population of 64,000, and approximately 407 miles of water mains that supply our customers.

In 2013, in an effort to continue to provide high-quality water and service for our customers, approximately 1,000 feet of water distribution mainline was installed to provide water service to a new development in the Recker and Ocotillo Roads area in the western part of Queen Creek. These improvements will provide greater water distribution system flows, as well as supply new development growth in that area. The Water Division continues to focus on system maintenance in the form of water main flushing, valve exercising, water storage tank maintenance, and improvements to our SCADA (supervisory control and data acquisition) system via a reprogramming to a new software platform to allow for better control, enhanced reliability and security, and improved reporting options for well and distribution system operation. We continue to aggressively pursue our meter testing and replacement program to minimize water loss.

Further technology advancements for Web site and automated bill payment options and the use of iPads and Notebooks in the field have provided us the ability to continue to reduce reliance on paperwork, speed payment processing, reduce vehicle miles, and speed the response time to water line breaks and customer-related work orders. All in an effort to meet our Mission Statement of providing our citizens and community with the highest quality service and water in the most economical, safe, reliable, and timely manner.

Please feel free to provide feedback about the information in this report by calling (480) 358-3450. After all, well-informed customers are our best allies.

For more information about this report or to ask questions relating to your drinking water, please contact Greg Homol, Water Division Operator of Record, with the Town of Queen Creek Utility Services Department at (480) 358-3459.

Where Our Water Comes From

The Town of Queen Creek Water Division’s primary source of water is groundwater. In 2013, the Water Division finished the year with 17 source wells following the acquisition of the H2O, Inc., water company with each having an Entry Point to the Distribution System (EPDS) designation. The following wells were associated with Public Water System AZ0407033: Well #1, Terra Ranch (EPDS #001), is located on Chandler Heights Road east of Hawes Road; Well #2, Villages (EPDS #005), is located on Rittenhouse Road at the Signal Butte Road alignment; Well #3, Schnepf (EPDS #004), is located on Combs Road east of Meridian Road; Well #4, Circle G (EPDS #001), is located on Hawes Road north of Chandler Heights Road; Well #5, Victoria (EPDS #007), is located on Ocotillo Road west of Ellsworth Road; Well #6, Barnes Elementary (EPDS #010), is located on Queen Creek Road west of Crismon Road; Well #7, Ocotillo Heights (EPDS #005), is located on Signal Butte Road south of Ocotillo Road; Well #8, Cortina (EPDS #099), is located on the northwest corner of Sossaman and Ryan roads; Well #9, Hastings (EPDS #012), is located on Cloud Road at the Crismon Road alignment. The following wells were associated with Public Water System AZ0411060: Well #10, QCR Well 1 (EPDS #001), located approximately 1/4 mile north of Ocotillo Road on Schnepf Road; Well #11, QCR Well 4 (EPDS #001), located approximately 1/2 mile north of Ocotillo Road on Schnepf Road; Well #12, Castlegate (EPDS #002), located south of Ocotillo Road on Scott Drive; Well #13, Pecan Creek North (EPDS #003), located along Kenworthy Road and Chandler Heights Road; Well #14, Pecan Creek South (EPDS #004), located along Kenworthy Road and East Shari Street; Well #15, Shea (EPDS #005), located on Kenworthy Road just north of Hash Knife Draw; Well #16, Gantzel (EPDS #006), located approximately 1/2 mile south of Combs Road on Gantzel road; and Well #17, Ironwood Crossing/Barnes (EPDS #007), located north of Ocotillo Road and west of Ironwood Road. These wells are drilled in excess of 900 feet deep. The water table in the Queen Creek area ranges from a depth of approximately 244 feet below the surface down to approximately 2,000 feet. The Water Division is presently pumping water from 500 feet to 640 feet.

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) 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 or <http://water.epa.gov/drink/hotline>.

Lead in Home Plumbing

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. We are 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 www.epa.gov/safewater/lead.



You may not be aware of it, but every time you pour fat, oil, or grease (FOG) down your sink (e.g., bacon grease), you are contributing to a costly problem in the sewer collection system. FOG coats the inner walls of the plumbing in your

house as well as the walls of underground piping throughout the community. Over time, these greasy materials build up and form blockages in pipes, which can lead to wastewater backing up into parks, yards, streets, and storm drains. These backups allow FOG to contaminate local waters, including drinking water. Exposure to untreated wastewater is a public health hazard. FOG discharged into septic systems and drain fields can also cause malfunctions, resulting in more frequent tank pump-outs and other expenses.

Communities spend billions of dollars every year to unplug or replace grease-blocked pipes, repair pump stations, and clean up costly and illegal wastewater spills. Here are some tips that you and your family can follow to help maintain a well-run system now and in the future:

NEVER:

- Pour fats, oil, or grease down the house or storm drains.
- Dispose of food scraps by flushing them.
- Use the toilet as a waste basket.

ALWAYS:

- Scrape and collect fat, oil, and grease into a waste container such as an empty coffee can, and dispose of it with your garbage.
- Place food scraps in waste containers or garbage bags for disposal with solid wastes.
- Place a wastebasket in each bathroom for solid wastes like disposable diapers, creams and lotions, and personal hygiene products including nonbiodegradable wipes.

Information on the Internet

The U.S. EPA Office of Water (<http://water.epa.gov>) and the Centers for Disease Control and Prevention (www.cdc.gov) Web sites provide a substantial amount of information on many issues relating to water resources, water conservation and public health. Also, the Arizona Department of Environmental Quality has a Web site (www.azdeq.gov) that provides complete and current information on water issues in Arizona, including valuable information about our watershed.

Naturally Occurring Bacteria

The simple fact is, bacteria and other microorganisms inhabit our world. They can be found all around us: in our food; on our skin; in our bodies; and, in the air, soil, and water. Some are harmful to us and some are not. Coliform bacteria are common in the environment and are generally not harmful themselves. The presence of this bacterial form in drinking water is a concern because it indicates that the water may be contaminated with other organisms that can cause disease.

Federal regulations require that public water that tests positive for coliform bacteria must be further analyzed for fecal coliform bacteria. Fecal coliform are present only in human and animal waste. Because these bacteria can cause illness, it is unacceptable for fecal coliform to be present in water at any concentration. Our tests indicate no fecal coliform is present in our water.

Water Main Flushing

Distribution mains (pipes) convey water to homes, businesses, and hydrants in your neighborhood. The water entering distribution mains is of very high quality; however, water quality can deteriorate in areas of the distribution mains over time. Water main flushing is the process of cleaning the interior of water distribution mains by sending a rapid flow of water through the mains.

Flushing maintains water quality in several ways. For example, flushing removes sediments like iron and manganese. Although iron and manganese do not pose health concerns, they can affect the taste, clarity, and color of the water. Additionally, sediments can shield microorganisms from the disinfecting power of chlorine, contributing to the growth of microorganisms within distribution mains. Flushing helps remove stale water and ensures the presence of fresh water with sufficient dissolved oxygen, disinfectant levels, and an acceptable taste and smell.

During flushing operations in your neighborhood, some short-term deterioration of water quality, though uncommon, is possible. You should avoid tap water for household uses at that time. If you do use the tap, allow your cold water to run for a few minutes at full velocity before use and avoid using hot water, to prevent sediment accumulation in your hot water tank.

Please contact us if you have any questions or if you would like more information on our water main flushing schedule.

What's Your Water Footprint?

You may have some understanding about your carbon footprint, but how much do you know about your water footprint? The water footprint of an individual, community, or business is defined as the total volume of freshwater that is used to produce the goods and services that are consumed by the individual or community or produced by the business. For example, 11 gallons of water are needed to irrigate and wash the fruit in one half-gallon container of orange juice. Thirty-seven gallons of water are used to grow, produce, package, and ship the beans in that morning cup of coffee. Two hundred and sixty-four gallons of water are required to produce one quart of milk, and 4,200 gallons of water are required to produce two pounds of beef.

According to the U.S. EPA, the average American uses over 180 gallons of water daily. In fact, in the developed world, one flush of a toilet uses as much water as the average person in the developing world allocates for an entire day's cooking, washing, cleaning, and drinking. The annual American per capita water footprint is about 8,000 cubic feet; twice the global per capita average. With water use increasing six-fold in the past century, our demands for freshwater are rapidly outstripping what the planet can replenish.

To check out your own water footprint, go to www.h2oconserve.org or visit www.waterfootprint.org to see how the water footprints of other nations compare.

Water Conservation

You can play a role in conserving water and save yourself money in the process by becoming conscious of the amount of water your household is using and by looking for ways to use less whenever you can. It is not hard to conserve water. Here are a few tips:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank. Watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from an invisible toilet leak. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances. Then check the meter after 15 minutes. If it moved, you have a leak.

What's a Cross-connection?

Cross-connections that contaminate drinking water distribution lines are a major concern. A cross-connection is formed at any point where a drinking water line connects to equipment (boilers), systems containing chemicals (air conditioning systems, fire sprinkler systems, irrigation systems) or water sources of questionable quality. Cross-connection contamination can occur when the pressure in the equipment or system is greater than the pressure inside the drinking water line (backpressure). Contamination can also occur when the pressure in the drinking water line drops due to fairly routine occurrences (main breaks, heavy water demand) causing contaminants to be sucked out from the equipment and into the drinking water line (backsiphonage).

Outside water taps and garden hoses tend to be the most common sources of cross-connection contamination at home. The garden hose creates a hazard when submerged in a swimming pool or when attached to a chemical sprayer for weed killing. Garden hoses that are left lying on the ground may be contaminated by fertilizers, cesspools or garden chemicals. Improperly installed valves in your toilet could also be a source of cross-connection contamination.

Community water supplies are continuously jeopardized by cross-connections unless appropriate valves, known as backflow prevention devices, are installed and maintained. We have surveyed all industrial, commercial, and institutional facilities in the service area to make sure that all potential cross-connections are identified and eliminated or protected by a backflow preventer. We also inspect and test each backflow preventer to make sure that it is providing maximum protection.

For more information, review the Cross-Connection Control Manual from the U.S. EPA's Web site at <http://water.epa.gov/infrastructure/drinkingwater/pws/crossconnectioncontrol/index.cfm>. You can also call the Safe Drinking Water Hotline at (800) 426-4791.

Source Water Assessment

In 2002, the Arizona Department of Environmental Quality (ADEQ) completed a source water assessment for six of the groundwater wells used by the Queen Creek Water Company, now the Town of Queen Creek Water Division. The assessment reviewed adjacent land uses that could pose risks to 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, the source waters were ranked according to their potential to become contaminated. The result of the assessment for the six wells was low risk from adjacent land use and low risk to source water.

The Water Division plans to address protection of water sources by a wellhead protection program. Residents can help protect water sources by practicing regular septic system maintenance, taking hazardous household chemicals to hazardous-material collection sites, and limiting pesticide and fertilizer use.

The complete source water assessment is available for viewing, Monday through Friday, from 8 am to 5 pm at the Arizona Department of Environmental Quality, 1110 W. Washington, Phoenix. Electronic copies are also available by emailing dml@azdeq.gov. For more information, call Greg Homol, Water Division Operator of Record, at (480) 358-3459, or visit ADEQ's Source Water Assessment and Protection Unit Web site at www.azdeq.gov/environ/water/dw/swap.html.

Benefits of Chlorination

Disinfection, a chemical process used to control disease-causing microorganisms by killing or inactivating them, is unquestionably the most important step in drinking water treatment. By far, the most common method of disinfection in North America is chlorination.

Before communities began routinely treating drinking water with chlorine (starting with Chicago and Jersey City in 1908), cholera, typhoid fever, dysentery, and hepatitis A killed thousands of U.S. residents annually. Drinking water chlorination and filtration have helped to virtually eliminate these diseases in the U.S. Significant strides in public health are directly linked to the adoption of drinking water chlorination. In fact, the filtration of drinking water plus the use of chlorine is probably the most significant public health advancement in human history.

How chlorination works:

Potent Germicide Reduction in the level of many disease-causing microorganisms in drinking water to almost immeasurable levels.

Taste and Odor Reduction of many disagreeable tastes and odors like foul-smelling algae secretions, sulfides, and odors from decaying vegetation.

Biological Growth Elimination of slime bacteria, molds, and algae that commonly grow in water supply reservoirs, on the walls of water mains, and in storage tanks.

Chemical Removal of hydrogen sulfide (which has a rotten egg odor), ammonia, and other nitrogenous compounds that have unpleasant tastes and hinder disinfection. It also helps to remove iron and manganese from raw water.

Substances That Could Be in Water

To ensure that tap water is safe to drink, Arizona Department of Environmental Quality prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration 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 these contaminants does not necessarily indicate that the water poses a health risk.

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, in some cases, radioactive material; and 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, or wildlife;

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may 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 may also come from gas stations, urban stormwater runoff, and septic systems;

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

More information about contaminants in tap water and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800) 426-4791 or visit online at www.epa.gov/safewater/hotline. Information on bottled water can be obtained from the U.S. Food and Drug Administration.

Sampling Results

The Town of Queen Creek Water Division works to ensure water quality by performing numerous tests throughout the year. Chlorine is added to the water supply as a disinfectant. We test to make sure there is both an appropriate amount of chlorine for customers' taste and an adequate amount to remove bacteria that may enter the system.

During the past year, we have taken hundreds of water samples to determine the presence of any microbiological contaminants, and the Water Division continues to contract with the State of Arizona's Monitoring Assistance Program (MAP) to do regular sampling of all our wells for radioactive, inorganic, volatile organic or synthetic organic contaminants to assure the quality of our water. Our water has met or exceeded all health standards. The table above shows only those contaminants that were detected in the water. Although all the substances listed here are under the Maximum Contaminant Level (MCL), we feel it is important that you know exactly what was detected and how much of the substance was present in the water.

In 2013, the Town of Queen Creek, public water system #AZ0407033, sampled water in March and again in September for the EPA for Unregulated Contaminant Monitoring Regulation Three (UCMR3), with the former H2O, Inc., water service area, public water system #AZ0411060, scheduled to begin its first round of sampling in August of 2014. UCMR3 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants suspected to be in drinking water, in order to determine if EPA needs to introduce new regulatory standards to improve drinking water quality. Contact Greg Homol at 480-358-3459 for more information on this program, or for a copy of the 2013 sampling results.

The state requires us to monitor for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

| REGULATED SUBSTANCES | | | | | | | | | |
|---|-----------------|------------------------------------|-----------------|--|-------------------|--------------------|------------------------|-----------|--|
| | | | | Town of Queen Creek Water AZ0407033 | | H2O Inc AZ0411060 | | | |
| SUBSTANCE (UNIT OF MEASURE) | YEAR SAMPLED | MCL [MRDL] | MCLG [MRDLG] | AMOUNT DETECTED | RANGE LOW-HIGH | AMOUNT DETECTED | RANGE LOW-HIGH | VIOLATION | TYPICAL SOURCE |
| Gross Alpha Emitters (pCi/L) | 2011 | 15 | 0 | 2.63 | 0.5–4.8 | 4.3 ¹ | 1.8–4.3 ¹ | No | Erosion of natural deposits |
| Arsenic (ppb) | 2013 | 10 | 0 | 2.9 | ND–4.3 | 3 ² | 2–3 ² | No | Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes |
| Barium (ppm) | 2013 | 2 | 2 | 0.0407 | 0.0058–0.067 | 0.06 ³ | 0.02–0.06 ³ | No | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits |
| Chlorine (mg/l) | 2013 | [4] | [4] | 1.00 | 0.58–1.57 | .61 | .23–1.43 | No | Water additive used to control microbes |
| Chromium (ppb) | 2013 | 100 | 100 | 3.1 | 2–4.1 | NA | NA | No | Discharge from steel and pulp mills; Erosion of natural deposits |
| Combined Radium (pCi/L) | 2013 | 5 | 0 | 0.0375 | ND–0.3 | NA | NA | No | Erosion of natural deposits |
| Fluoride (ppm) | 2013 | 4 | 4 | 0.27 | 0.24–0.31 | 0.5 ³ | 0.3–0.5 ³ | No | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| Haloacetic Acids [HAA]–Stage 1 (ppb) | 2013 | 60 | NA | 0.55 | ND–1.1 | 23 | 3.3–120 | No | By-product of drinking water disinfection |
| Haloacetic Acids [HAA]–Stage 2 (ppb) | 2013 | 60 | NA | 1.8 | ND–1.8 | ND | NA | No | By-product of drinking water disinfection |
| Nitrate ⁴ (ppm) | 2013 | 10 | 10 | 8.8 | 0.43–8.8 | 5.9 | 1.7–5.9 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Selenium (ppb) | 2008 | 50 | 50 | NA | NA | 7 | ND–7 | No | Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines |
| TTHMs [Total Trihalomethanes]–Stage 1 (ppb) | 2013 | 80 | NA | 2.85 | 1.5–4.2 | 1.6 | 0.34–3.9 | No | By-product of drinking water disinfection |
| TTHMs [Total Trihalomethanes]–Stage 2 (ppb) | 2013 | 80 | NA | 13 | ND–13 | 5.9 | 1.2–5.9 | No | By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter. |
| Total Coliform Bacteria (# positive samples) | 2013 | 1 positive monthly sample | 0 | NA | NA | 1 | NA | No | Naturally present in the environment |
| Total Coliform Bacteria (% positive samples) | 2013 | 5% of monthly samples are positive | 0 | 5 | NA | NA | NA | No | Naturally present in the environment |

Tap water samples were collected for lead and copper analyses from sample sites throughout the community

| | | | | Town of Queen Creek Water AZ0407033 | | H2O Inc AZ0411060 | | | |
|-----------------------------|--------------|-----|------|-------------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------|--|
| SUBSTANCE (UNIT OF MEASURE) | YEAR SAMPLED | AL | MCLG | AMOUNT DETECTED (90TH%TILE) | SITES ABOVE AL/ TOTAL SITES | AMOUNT DETECTED (90TH%TILE) | SITES ABOVE AL/ TOTAL SITES | VIOLATION | TYPICAL SOURCE |
| Copper (ppm) | 2013 | 1.3 | 1.3 | 0.17 | 0/33 | 0.35 ³ | 0/30 ³ | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Lead (ppb) | 2013 | 15 | 0 | 1.4 | 0/33 | ND ³ | 0/30 ³ | No | Corrosion of household plumbing systems; Erosion of natural deposits |

UNREGULATED SUBSTANCES

| | | Town of Queen Creek Water AZ0407033 | | H2O Inc AZ0411060 | | | |
|-----------------------------|--------------|-------------------------------------|----------------|-------------------|----------------|--|--|
| SUBSTANCE (UNIT OF MEASURE) | YEAR SAMPLED | AMOUNT DETECTED | RANGE LOW-HIGH | AMOUNT DETECTED | RANGE LOW-HIGH | TYPICAL SOURCE | |
| Calcium (ppm) | 2011 | 82 | 33–82 | NA | NA | Runoff/ leaching from natural deposits | |
| Magnesium (ppm) | 2011 | 17 | 2.4–17 | NA | NA | Runoff/ leaching from natural deposits | |
| pH (Units) | 2007 | 7.4 | 6.5–8.5 | NA | NA | Naturally occurring | |
| Sodium (ppm) | 2008–2011 | 90 | 68–110 | 87.3 | 15–87.3 | Naturally occurring | |

UNREGULATED CONTAMINANT MONITORING REGULATION (UCMR3)

| | | Town of Queen Creek Water AZ0407033 | | | | |
|-----------------------------|--------------|-------------------------------------|---------------|---------|--|--|
| SUBSTANCE (UNIT OF MEASURE) | YEAR SAMPLED | LOWEST LEVEL | HIGHEST LEVEL | AVERAGE | MAJOR SOURCE IN DRINKING WATER | |
| Molybdenum (ppb) | 2013 | ND | 1.3 | 0.2 | Naturally occurring element found in ores and present in plants, animals, and bacteria | |
| Chromium (total) (ppb) | 2013 | 2.1 | 6.3 | 3.4 | Naturally occurring element; used in making steel and other alloys | |
| Chromium-6 (ppb) | 2013 | 2.3 | 6.8 | 3.6 | Naturally occurring element; used in making steel and other alloys | |
| Strontium (ppb) | 2013 | 230 | 1100 | 678 | Naturally occurring element | |
| Vanadium (ppb) | 2013 | 7.6 | 14 | 10.9 | Naturally occurring elemental metal | |

¹ Sampled in 2012.

² Sampled in 2008.

³ Sampled in 2011.

⁴ Nitrate in drinking water at levels above 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 advice from your health care provider.

Definitions

AL (Action level): The concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a community water system shall 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.

MRDL (Maximum Residual Disinfectant Level): 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.

MRDLG (Maximum Residual Disinfectant Level Goal): 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): Indicates that the substance was not found by laboratory analysis.

pCi/L (picocuries per liter): A measure of radioactivity.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).