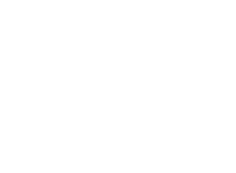
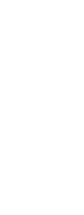
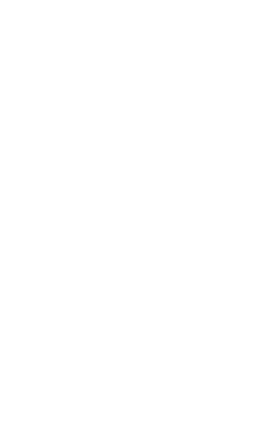
### FOR QUESTIONS ABOUT THIS REPORT:



**2018 CONSUMER CONFIDENCE REPORT**

**WATER QUALITY**

**PUBLIC WORKS**

Chris Kania

Water Treatment Superintendent (916) 617-4870

**FOR ADDITIONAL COPIES OF THIS REPORT:**

Public Works Department (916) 617-4850

**TO REPORT PROBLEMS AFTER HOURS:**

Public Works Department (916) 372-3375

**FOR BILLING QUESTIONS:**

Finance Department (916) 617-4589

**FOR WATER METER RETROFIT PROGRAM:**

Ryan Teves

(916) 617-4665

**FOR WATER QUALITY COMPLAINTS:**

George Kristoff Water Treatment Plant (916) 617-4860

EPA Safe Drinking Water Hotline (800) 426-4791

**CITY OF WEST SACRAMENTO WEB SITE:**

[www.cityofwestsacramento.org](http://www.cityofwestsacramento.org/)

**CITY COUNCIL MEETINGS:**

Twice monthly - Wednesdays at 7 p.m. in the City Council Chambers, 1110 West Capitol Ave. For specific dates check the “City Calendar” on [www.cityofwestsacramento.org](http://www.cityofwestsacramento.org/)

or phone (916) 617-4500.

**TO REPORT WATER WASTE:**

(916) 617-4545

**George Kristoff Water Treatment Plant**

**QUESTIONS AND COMMENTS**

We hope you find this report to be useful and informative. If you have any questions or comments about this report or about your drinking water, please call Chris Kania, Water Treatment Plant Superintendent, (916) 617-4870. For Water Conservation: Ryan Burnett (916) 617-4590.

**OUR COMMITMENT TO YOU**

The City of West Sacramento has delivered over 125 billion gallons of high quality, treated water to our residents since the opening of the George Kristoff Water Treatment Plant in 1988. Today, as West Sacramento grows, our commitment to you continues. We are proud of the service we provide and promise to continue to deliver the highest quality drinking water to you and your family.



**ANNUAL WATER QUALITY REPORT**

George Kristoff Water Treatment Plant 400 North Harbor Blvd.

West Sacramento, CA 95605 June 2019

## INTRODUCTION

The City of West Sacramento is dedicated to supplying its customers with a safe and reliable supply of high quality drinking water. We are pleased to present this annual report, which conforms to a federal regulation that requires community water systems to provide customers with detailed information about their drinking water. It includes information about water supply sources, water treatment, water quality, drinking water regulations and source water protection programs. We hope that the information in this report increases your understanding of the water treatment process and your confidence in the quality of the water you drink.

**WATERSUPPLY SOURCES**

Landlords who receive this report should notify tenants residing in the city limits where they can view or obtain a copy of this report. This report is available on the City of West Sacramento’s website.

<http://cityofwestsacramento.org/city/depts/pw/public_works_operations/> environmental\_prog/waterquality.asp

Additional copies are available upon request; please contact the City of West Sacramento Public Works Department at (916) 617-4850.

Este informe contiene información importante sobre su agua potable. Tradúzcalo, o hable con alguien que pueda entenderlo.

Данный рaпорт содержит важную информацию о вашей питьевой воде. Переведите его или проконсультируйтесь с тем, кто его понимает.

The City of West Sacramento’s main water supply is the Sacramento River. Our intake structure is located at Bryte Bend, upstream of the confluence of the Sacramento and American rivers. To ensure an adequate water supply for West Sacramento’s current and future needs the City maintains 3 water supply contracts.

**SOURCEWATER PROTECTION**

A community’s drinking water supply is a valuable resource and needs protection. The quality and reliability of source water can have a significant impact on a community’s economy and quality of life. Given the importance of the Sacramento River to West Sacramento’s continuing growth and to the health and well-being of our residents, the City actively participates in several source water protection programs.

**▶ The Rice Pesticide Workgroup,** in partnership with the City of Sacramento, the County of Sacramento and the East Bay Municipal

Utility District keeps us up to date on this important water quality issue. Our program of frequent monitoring at our raw water intake during rice season has been expanded to include new rice pesticides. In addition, we continually voice our concerns about the impact of rice growing activities on source water quality in meetings with the California State Department of Pesticide Regulation, the Regional Water Quality Control Board (RWQCB), the California Rice Commission, and Agriculture Commissioners of the major rice growing counties. We have also presented our concerns directly to the RWQCB and to rice growers.

**▶ The Keep the Waters Clean Campaign**, in partnership with the City of Sacramento, the County of Sacramento and the East Bay Municipal

Utility District, protects water quality by encouraging boaters and other recreational users of the Sacramento River to use pump outs and public restrooms rather than the river to dispose of wastes.

**▶ The Sanitary Survey of the Sacramento River Watershed**, an ongoing project in partnership with the City of Sacramento, the County of Sacramento, the Placer County Water Agency, the City of

Roseville and East Bay Municipal Utility District keeps us up to date on developments in the Sacramento Valley watershed. The Sanitary Survey of 2015 was completed and is available for review at the Public Works Department, 1110 West Capitol Avenue in West Sacramento.

**▶ The Drinking Water Source Assessment Program (DWSAP)** allows us to identify sources of contamination and respond to possible contamination near our water treatment plant and throughout

the watershed. Our Source Water Assessment was completed in November 2014. The DWSAP survey identified agricultural drainage as the activity to which West Sacramento’s surface water source is most vulnerable. A copy of the survey is available for your review at the Public Works Department, 1110 West Capitol Avenue in West Sacramento.

**▶ The Regional Water Authority Water Efficiency Program** partners with water agencies throughout the greater Sacramento region to help meet regulation and promote water efficiency. The program provides

region-wide messaging and educational opportunities for residents through the “Be Water Smart” outreach program. In additional to outreach, the program hosts program meetings so that agencies can share best practices and create unified responses to conservation issues that affect the entire region. This program also assists in funding opportunities for individual agencies.

**WATER TREATMENT: SURFACE WATER**

Water withdrawn from the Sacramento River is treated at the City’s George Kristoff Water Treatment Plant (GKWTP), which is operated 24 hours a day by State-Certified Water Treatment Plant Operators. 3.83 billion gallons of Sacramento River water was treated in 2018.

The City of West Sacramento maintains the high quality of our treatment process through the following:

**▶** A vigorous preventative maintenance program helps us to operate equipment at maximum efficiency.

**▶** Membership in local, regional and national water industry organizations allows us to draw on expertise and experience outside of our own city.

**▶** Monitoring current research on water treatment, and continuing education and training at our treatment plant assures you of a motivated, professional staff focused on producing the best quality

water possible.

**For further information about the water treatment process, please contact the GKWTP at (916) 617-4860.**

**WATERCONSERVATION**

The City promotes water conservation year-round with messaging, events, rebates and water waste enforcement. Messaging efforts include

social media, bill inserts and direct mailers. Events include seasonal events, like Earth Day, region-wide partnerships and workshops that cover topics on turf conversion, plant selection and smart irrigation. Water waste enforcement follows city municipal code prohibitions. Here are some examples of what you can do to save water: 1) Purchase and install a smart irrigation controller. These devices use weather data to automatically adjust your irrigation schedule for you. See our website for current rebates.

2) Apply for a free residential Water Wise House Call. Receive a survey of your outdoor irrigation system; this includes a leak check, system issue check and free sprinkler nozzles. For information about these programs, visit [www.cityofwestsacramento.org/water. 3) Check your toilet for a leak.](http://www.cityofwestsacramento.org/water.%20%203)%20Check%20your%20toilet%20for%20a%20leak.) Put a little food coloring in the tank of your toilet. If that color appears in the bowl, you have a leak. This is the most common leak around the house and can waste a lot of water.

**OUTDOOR WATER CONSERVATION**

The City recommends watering your landscape no more than three days per week to reduce outdoor water use. You can find a customized irrigation schedule by visiting [www.beyondthedrought.com.](http://www.beyondthedrought.com/) After entering some information about your landscape, you will receive an irrigation schedule tailored to your landscape’s needs. Other ways to reduce outdoor water use include: 1) Purchasing and installing a smart irrigation controller. These devices use weather data to automatically adjust your irrigation schedule for you. See our website for current rebates. 2) Applying for a free residential Water Wise House Call. Receive a survey of your outdoor irrigation system; this includes a leak check, system issue check and free sprinkler nozzles. For information about these programs, visit [www.cityofwestsacramento.org/water](http://www.cityofwestsacramento.org/water)

**WATER METERS**

The City of West Sacramento continues making progress toward installing water meters to meet with California State Law, Assembly Bill No. 514 requirements to be fully metered. Water meters will enable the City to better quantify customer water use and help increase water conservation. Also, the City is complying with Assembly Bill No. 1953 (AB1953) by not installing meters that have leaded materials but installing water meters that are made with brass based material.

339 Meters installed last year in Linden Neighborhood

208 Meters will be installed during Linden Backyard Water Main Replacement Project – Anticipated to begin in Fall 2019.

246 Meters will be installed this year in Various Locations of North Side of City – Expected to be Complete Spring 2020

1053 Meters will be upgraded this year in Southport Neighborhood – Expected to be Complete Spring 2020. The transition of all current flat rate to metered rate users began in 2017. The City will continue providing residents with information of this process prior to any conversion process to help customers better understand the transition.

For additional information about the water meter program contact the Project Manager Ryan Teves, Assistant Engineer at (916) 617–5327.

**WATER QUALITY ANALYSIS RESULTS**

**DISINFECTION BYPRODUCTS**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TTHM 2018 | | | | |  | HAA5 2018 | | | | |
| Location | 1  QTR | 2  QTR | 3  QTR | 4  QTR |  | Location | 1  QTR | 2  QTR | 3  QTR | 4  QTR |
| Site 1 | 28.0 | 55.0 | 49.0 | 46.0 |  | Site 1 | 12.0 | 31.0 | 20.0 | 19.0 |
| Site 1 LRAA | 46.1 | 46.3 | 46.0 | 44.5 |  | Site 1 LRAA | 19.0 | 21.0 | 21.0 | 20.5 |
| Site 2 | 25.0 | 48.0 | 60.0 | 38.0 |  | Site 2 | 10.0 | 25.0 | 22.0 | 18.0 |
| Site 2 LRAA | 44.2 | 44.3 | 46.8 | 42.8 |  | Site 2 LRAA | 19.3 | 20.0 | 19.5 | 18.8 |
| Site 3 | 27.0 | 46.0 | 40.0 | 42.0 |  | Site 3 | 13.0 | 31.0 | 13.0 | 18.0 |
| Site 3 LRAA | 39.4 | 38.3 | 37.3 | 38.8 |  | Site 3 LRAA | 17.5 | 19.5 | 18.8 | 18.8 |
| Site 4 | 39.0 | 55.0 | 67.0 | 44.0 |  | Site 4 | 21.0 | 38.0 | 26.0 | 20.0 |
| Site 4 LRAA | 49.8 | 49.8 | 52.8 | 51.3 |  | Site 4 LRAA | 22.5 | 26.3 | 26.8 | 26.3 |
| Site 5 | 26.0 | 41.0 | 40.0 | 31.0 |  | Site 5 | 12.0 | 20.0 | 14.0 | 15.0 |
| Site 5 LRAA | 37.3 | 36.8 | 36.3 | 34.5 |  | Site 5 LRAA | 17.8 | 16.5 | 16.0 | 15.3 |
| Site 6 | 26.0 | 37.0 | 35.0 | 31.0 |  | Site 6 | 11.0 | 21.0 | 13.0 | 15.0 |
| Site 6 LRAA | 48.2 | 46.8 | 44.5 | 32.3 |  | Site 6 LRAA | 20.0 | 19.3 | 18.5 | 15.0 |
| Site 7 | 27.0 | 49.0 | 52.0 | 31.0 |  | Site 7 | 11.0 | 25.0 | 14.0 | 16.0 |
| Site 7 LRAA | 37.1 | 39.0 | 41.5 | 39.8 |  | Site 7 LRAA | 18.0 | 18.0 | 17.5 | 16.5 |
| Site 8 | 24.0 | 36.0 | 58.0 | 37.0 |  | Site 8 | 10.0 | 24.0 | 20.0 | 17.0 |
| Site 8 LRAA | 37.4 | 36.5 | 39.5 | 38.8 |  | Site 8 LRAA | 17.0 | 17.5 | 18.0 | 17.8 |

System-wide LRAA for quarters 1 - 3 are based on results from a previous quarter not reported on this table

## TURBIDITY

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Constituent | Type MCL | Violation | Max Level Det | Units | DLR | MCL | CA PHG | Source |
| **Aluminum** | Secondary | No | 38.1 | PPB | 50 | 1000 | 600 | erosion of natural deposits; residue from some surface water treatment processes |
| **Arsenic** | Primary | No | 1.40 | PPB | 6 | 6.0 | 1 | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes |
| **Barium** | Primary | No | 21.6 | PPB | 100 | 1000 | 2000 | Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits |
| **Calcium** | N/A | No | 14.3 | PPM | N/A | N/A | N/A | runoff/leaching from natural deposits |
| **Chloride** | Secondary | No | 7.96 | PPM | N/A | 500 | N/A | runoff/leaching from natural deposits; seawater influence |
| **Fluoride** | Primary | No | 0.68 | PPM | 0.1 | 2.0 | 1.0 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| **Magnesium** | N/A | No | 7.0 | PPM | N/A | N/A | N/A | runoff/leaching from natural deposits |
| **Odor** | Secondary | No | **4/2** | TON | N/A | 3.0 | N/A | Naturally -occurring organic materials |
| **Silver** | Secondary | No | 0.52 | PPB | N/A | 100 | N/A | Industrial discharges |
| **Sodium** | N/A | No | 11.5 | PPM | N/A | N/A | N/A | naturally occurring in the environment |
| **Specific Conductance** | Secondary | No | 191 | umhos/ cm | N/A | 1600 | N/A | substances that form ions when in water; seawater influence |
| **Sulfate** | Secondary | No | 6.44 | PPM | N/A | 500 | N/A | runoff/leaching from natural deposits; industrial wastes |
| **Thallium** | Primary | No | 0.69 | PPB | 1.0 | 2.0 | 0.1 | Leaching from ore-processing sites; discharge from electronics, glass, and drug factories |
| **Total Dissolved**  **Solids** | Secondary | No | 87 | PPM | N/A | 1000 | N/A | runoff/leaching from natural deposits |

\* EPA uses the Unregulated Contaminant Rule (UCMR) to collect data for containments that are suspected to be present in drinking water and do not have health-based standards set under the Save Drinking Water Act (SDWA).

**DISINFECTION BYPRODUCTS**

|  |  |  |
| --- | --- | --- |
| Contaminant | TTHM (PPB) | HAA5(PPB) |
| Type MCL | Primary | Primary |
| MCL | 80 | 60 |
| Average | 40.3 | 18.6 |
| Range | 24.0 – 67.0 | 10.0 – 38.0 |
| Sample Date | 2018 | 2018 |
| Violation | No | No |
| Source | Byproduct of drinking water disinfection | Byproduct of drinking water disin- fection |

|  |  |  |  |
| --- | --- | --- | --- |
| **2018 WEST SACRAMENTO WATER HARDNESS** | | | |
| Grains per gallon | | Milligrams per liter (mg/L) parts per million (PPM) | Classification |
| 3.8 | | 65 | Moderately Hard |
| **^ WATER HARDNESS SCALE ^** | | | |
| Less than 1.0 | Less than 17.1 | | Soft |
| 1.0 - 3.5 | 17.1 - 60 | | Slightly |
| 3.5 - 7.0 | 60 - 120 | | Moderately Hard |
| 7.0 - 10.5 | 120 - 180 | | Hard |
| Over 10.5 | over 180 | | Very Hard |

|  |
| --- |
| **HARDNESS** |
| There is no MCL for hardness. We are frequently asked for the hardness of West Sacramento water in grains per gallon. One grain/gallon is equal to 17.1 mg/L of hardness |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Contaminant | MCL | PHG | Level Found | Sample Data | Violation | Source |
| Turbidity | TT = 1 NTU | N/A | .26 | 2018 | No | Soil runoff |
|  | TT = 95%  of samples  ≤0.3 NTU |  | 100% |  |  |  |

The City of West Sacramento routinely monitors your drinking water according to federal and state laws. The following table shows selected results of our monitoring tests for the period of January 1st to December 31st, 2016. To help you better understand the terms and abbreviations used in the report, we’ve provided the following definitions:

**HAA5** - Haloacetic acids

**DDW** - Division of Drinking Water

**Detection Limit For Purposes Of Reporting (DLR)** - the concentration of a contaminant in drinking water at or above which is reported to the California Department of Public Health

**Parts Per Million (PPM) Or Milligrams Per Liter (MG/L)** - a measurement of chemical concentration.

**Parts Per Billion (PPB) Or Micrograms Per Liter (MG/L)** - a measurement of chemical concentration.

**Picocuries Per Liter (PCI/L)** - a unit of measurement of a chemical concentration. **Regulatory Action Level (AL)** - the concentration of a contaminant which, if exceeded,

triggers treatment or other requirement that a water system must follow.

**LRAA** - Locational 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.

**Maximum Contaminant Level (MCL)** - the maximum level of a contaminant that is allowed in drinking water. It is set as close to the maximum contaminant level goal as feasible, using the best available treatment technology.

**Maximum Residual Disinfectant Level (MRDL)** - the highest level of 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

**Micro Ohms Per Centimeter (UMHOS/CM)** – a unit of measurement.

**N/A** - not applicable.

**Nephelometric Turbidity Unit (NTU)** - a measurement of the clarity of water. Turbidity in excess of 5 NTU is noticeable to the average person.

**Primary Drinking Water Standard (PDWS)** - MCLs for contaminants that affect health a

PHG – Public Health Goal

AL – Action Level

TT – Treatment Technique

A complete and detailed listing of water quality analysis results for the four most recent quarters is available on the city of west Sacramento web site, [***http://www.cityofwestsacramento.org/city/depts/pw/public\_works\_operations/water/ccreport.asp***](http://www.cityofwestsacramento.org/city/depts/pw/public_works_operations/water/ccreport.asp)

# WHAT YOU SHOULD KNOW ABOUT...

persons with cancer and 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 healthcare providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the USEPA Safe Drinking Water Hotline, (800) 426-4791.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | AL | PHG (MCGL) | Amount Detected (90th Percentile) | Sites Above AL/Total Sites | Year Sampled | Violation | Typical Source of Constituent |
| Copper (g/L) | 1300 | 300 | 130 | 4/30 | 2016 | No | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives. |
| Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson’s Disease should consult their personal doctor. | | | | | | | |
| Lead (g/L) | 15 | 0.2 | 1.5 | 2/30 | 2016 | No | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |

## DRINKING WATER CONTAMINANTS

All 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 the water poses a health risk. More information about contaminants and potential health

## FLUORIDE

The City water system treats your water by adding FLUORIDE to the naturally occurring level in order to promote dental health in consumers. The fluoride levels in the treated water for 2018 were

maintained within an average monthly range of 0.79 to 1.02mg/L. The maximum level of Fluoride measured in West Sacramento during 2018 was 1.20mg/L. The California MCL for fluoride is 2.0 mg/L. A Public Health Goal (PHG) of 1 ppm (1,000 ppb) is developed for fluoride in drinking water. This level is intended to be an approximate year-round average. The U.S. Environmental Protection Agency’s (U.S. EPA’s) Maximum Contaminant Level (MCL) for fluoride is 4 mg/L. U.S. EPA’s MCL was setto protect against crippling skeletal fluorosis, with a secondary MCL of 2 mg/L to protect against dental fluorosis (in mild cases, fluorosis is a slight discoloration of teeth, in more severe cases it can lead to pitting and breaking of the teeth). Moderate to severe dental fluorosis is rare when the drinking water fluoride level is in the range of 1 mg/L, but begins to become significant at concentrations close to 2 mg/L. The PHG is based on a no-observed-adverse effect-level (NOAEL) of 1 mg/L for dental fluorosis in children. A relative source contribution of 100% (1) was applied yielding a calculated PHG of 1 mg/L. This level is judged to be the optimum level for reducing the prevalence of dental

fluorosis while providing protection against dental caries. In reviewing the available data on health effects of fluoride, studies have been found which provide some indication that there may be a causative relationship between lifetime consumption of fluoridated drinking water and increased incidence of hip fracture in the elderly. However, this health endpoint is not sufficiently established at present to provide the basis for calculating a PHG. Therefore, OEHHA calculates a PHG of 1 mg/L (1 ppm) for fluoride in drinking water.

## SODIUM

We are also frequently asked about the sodium content of the West Sacramento water. Sodium is a naturally occurring chemical element and is present in our source water. The maximum level of sodium measured in West Sacramento water during 2018 was 11.5 mg/L. At this level an individual will ingest 11.5 mg of sodium for every liter of water consumed. There is no MCL for sodium in drinking water.

Sodium in the diet is also measured in milligrams (mg). There is no recommended dietary allowance for sodium. However, the National Academy of Sciences states that a person should consume at least 500 mg a day and healthy adults should stay within the range of 1,100 to 3,300 mg a day. Individuals concerned with the effect of West Sacramento water on their daily intake of sodium should consult a

healthcare professional. Additional information about potential health

effects of drinking water can be obtained by calling the EPA’s Safe Drinking Water Hotline at (800) 426-4791.

## TURBIDITY

Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The EPA’s Interim Enhanced Surface Water Treatment Rule

requires that the Combined Filter Effluent (CFE) turbidity be less than 0.3 NTU in at least 95% of the measurements taken each month, and that the maximum CFE turbidity not exceed 1 NTU. In 2018, the city achieved **100%** and the highest CFE turbidity was **1.00 NTU. (7/17/2018**)

## TOTAL COLIFORMS AND E COLI

There are a variety of bacteria, parasites, and viruses which can potentially cause health problems if humans ingest them in drinking water. Testing water for each of these potential pathogens (disease causing agents) would be difficult and expensive. Instead, water quality and public health workers measure coliform levels. The presence of any coliforms in drinking water suggests that there may be a pathway for pathogens and/or fecal contamination to enter the drinking water distribution system (pipes, storage facilities, etc.).

For drinking water, total coliforms are used to determine the adequacy of water treatment and the integrity of the distribution system. The absence of total coliforms in the distribution system minimizes the likelihood that fecal pathogens are present. Thus, total coliforms are used to determine the vulnerability of a system to fecal contamination.

The MCL for total coliforms is no more than 5% of the samples collected per month test positive for total coliforms. In 2018 the city collected and analyzed 786 samples for total coliforms and E coli of which 2 came back positive and after resampling, all samples tested negative for total coliforms.

## NITRATE

Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant’s blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider. The George Kristoff Water Treatment Plant drinking water results for nitrate was non-detectable.

## IMPORTANT INFORMATION

**FOR IMMUNO-COMPROMISED PERSONS**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as

effects can be obtained by calling the USEPA’s Safe Drinking Water Hotline at (800) 426-4791.

The sources of drinking water (both tap water and bottles 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 materials and can pick up substances resulting from the presence of animals or from human activity.

Contaminants in source water may include:

**▶** microbial contaminants, such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operation, and 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 by-products of industrial processes and

petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.

**▶** radioactive contaminants that 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, the U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board (SWRCB) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. SWRCB

|  |
| --- |
| **WATER QUALITY** |
| All public water supplies must meet stringent federal and state standards. Treated water delivered to you and your family not only meets, but surpasses state and federal standards for quality and safety. We know this because we continually test our water using modern equipment and procedures, in our own state-certified laboratory and commercial laboratories. This regular program of water analysis, including sampling at over thirty-five state certified labs throughout the city, assures safe water for you and your family. |