



KCWA



Kent County Water Authority

CONSUMER CONFIDENCE

WATER QUALITY

ANNUAL REPORT

2020

KCWA Consumer Confidence Water Quality 2020 Annual Report

This year's report covers all testing completed from January 1, 2020 through December 31, 2020 and fulfills both the Environmental Protection Agency (EPA) and Rhode Island Department of Health (RIDOH) requirements to provide a "Consumer Confidence Report" to our customers. This publication reflects our ongoing efforts to keep you informed about the quality of the water and services we deliver to you every day.

We remain committed to producing drinking water that meets all state and federal drinking water standards. This report includes information related to the origin of your water, what it contains, and how it compares to the quality standards set by the EPA. Be assured, the Kent County Water Authority professional management and staff are committed to providing our customers with the finest, most cost effective and reliable drinking water.

The Kent County Water Authority and its predecessor companies have been delivering safe, dependable water, seven days a week, 24 hours a day for 141 years.

KCWA delivers water to your home or business at \$0.007 per gallon.

We're committed to providing new and better methods for delivering the best quality drinking water to you. As new challenges to drinking water quality and safety emerge, we remain vigilant in meeting these demands while continuing to serve the needs of our customers. It's important to understand the facts about the quality of your drinking water. The information provided in this document reflects the pertinent results from public water system regulatory testing requirements. Through our monitoring and testing efforts we have found that some regulated constituents have been detected. EPA and RIDOH regulatory guidance reflect that your water is SAFE at these levels. This report explains the quality of your drinking water, its sources, and an overview of the water system, our future goals, progress and more. Should you have any questions concerning this information or about your water utility, please contact our Executive Director/Chief Engineer, David L. Simmons, P.E. at 401-821-9300 or customerservice@kentcountywater.org. Customer concerns regarding Providence Water results should be directed to the Customer Service Department of the Providence Water Supply Board at 401-521-6300 or RIDOH Office of Drinking Water Quality 401-222-6867.

We value our customer feedback. Public participation adds value to the decision-making process regarding the quality of your water and the service you are provided. If you would like to learn more about your water utility or play a part in its future, please feel free to attend any of our regularly scheduled board meetings held monthly. The meeting schedule can be found on our website <https://kentcountywater.org/kcwa-board-of-directors.aspx>. Meeting agenda information can also be found on the Secretary of State website, http://sos.ri.gov/openmeetings/index.php?page=view_entity&cid=393. Meetings begin at 3:30 p.m. at our office located at 1072 Main Street, West Warwick. We look forward to seeing you there!

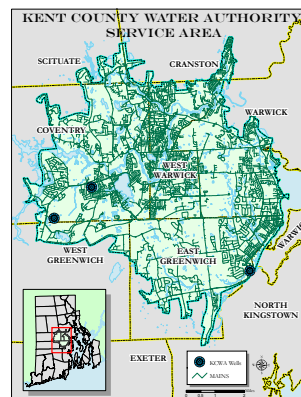
Sources of Water

The Kent County Water Authority purchases approximately 50 percent of your water from the Providence Water Supply Board. This supply is treated surface water from the following reservoirs located in the central part of the state: Scituate, Regulating, Moswansicut, Ponaganset, Barden and Westconnaug reservoirs. The remainder of your water is produced from our Mishnock well field and treatment facilities located off Route 3 in Coventry and our East Greenwich well located off Post Road at the Warwick and East Greenwich line. KCWA also wholesales water to the City of Warwick to supply the Potowomut section.

When Selling Your Home or Commercial Property

The standard closing information request must be presented to the Kent County Water Authority for any sale or conveyance of property currently receiving public water service. A copy of this form can be found here: <https://kentcountywater.org/forms.aspx>. Often times we find that this form is completed by your realtor or attorney. The processing of this form provides vital account information to the Kent County Water Authority. This form is also the mechanism to inform the seller and purchaser concerning outstanding billing amounts and identification of any possible service connection compliance defect issues that must be corrected to facilitate compliance with current rules and regulations for service.

Most lending institutions allow 45-60 days to process the closing on a property transaction. It is imperative that the Kent County Water



KCWA # OF ACTIVE CUSTOMERS WITHIN TOWN/CITY	
TOWN/CITY	TOTAL
COVENTRY	8,483
WEST GREENWICH	395
EAST GREENWICH	4,052
HOPE/SCITUATE 02831	439
NORTH KINGSTOWN	11
WARWICK	4,528
WEST WARWICK	8,420
CRANSTON 02923 02920	923
TOTALS	27,251

Authority be notified well in advance of the closing date to conduct an onsite service connection compliance inspection as part of processing the closing form request. The earlier the closing form is received in advance of the closing date the less likely your closing may incur delay due to an unforeseen compliance issue that may need to either be remedied or negotiated between the seller and purchaser for correction as part of the terms of the sale before the lending institution will close on the property.

Rules and Regulations

The Kent County Water Authority Rules and Regulations represent the written guidance outlining both the water utility and customer responsibilities concerning things like billing, maintenance, ownership guidelines and other important issues. In responding to customer concerns and inquires we have found that customers often convey that they are unaware of the customer responsibilities delineated in the Rules and Regulations. This can sometimes leave our valued customers in precarious situations when a repair may be required or a change in property ownership is about to occur. The acceptance of public water supply from the Kent County Water Authority represents a contract between the customer and water utility. Each party's responsibilities are described in the applicable sections of the Kent County Water Authority Rules and Regulations. To help better understand each party's responsibilities we strongly recommend that all customers periodically review the Kent County Water Authority Rules and Regulations. A copy of the Kent County Water Authority Rules and Regulations is available at our main office, or online at www.kentcountywater.org/rulesandregulations.aspx. During normal work hours you may contact one of our customer service representatives should you have a question or concern regarding the regulations.

New Billing Format - Customer Portal

KCWA deployed new billing software, Muni-link, working in concert with bill printing company, Smartbill, in February of 2021. Customers are now receiving a redesigned water statement intended to quickly present the information you need while also providing the valuable detail you want. Your new water statement now includes a bill summary where you will find your current consumption and charges, prior balance, past payments, your specific usage period and average daily use in gallons. The Water Use at a Glance section includes a graph of your past water usage that provides an indication of how current consumption

Major Continuous Usage
Your new water meter stores 90 days of hourly usage data, if your meter displays an abnormal use pattern it will be displayed as an alert above.

COST OF WATER
\$0.007 / GAL

Average Daily Use for this period ending xx/xx/2021

65 GALS PER DAY

The recommended use is 65 gallons per person per day. Divide the number above by the number of people in your household to determine your daily, per person usage.

compares to previous bills. There are also important messages, alerts and high usage flags displayed on the front of the bill if your water was shown to be running continuously for several days or weeks during the billing period. There are instructions on how to set up an account on our new online customer portal. Setting up an online account will allow you to view and print your bill online, view your account history and usage, and pay your bill. An informational flyer to help you navigate the new layout of your water statement is available online at https://kentcountywater.org/config/docs/KCWA_TrifoldBillInsert_3-24-21_final.pdf. This informational flyer is also being sent to all customers with their new bills.

WELCOME TO YOUR NEW WATER STATEMENT

FRONT OF BILL

- We now have the top page of your water statement moved to the back of the bill so you can see it first. This new layout is designed to quickly present the information you need, while also providing the details about your account.
- Call our knowledgeable customer service team at 802-421-1000 between 8:00 AM and 5:00 PM, Monday through Friday or come visit us at 2071 Main Street West Newark.

THIS IS NOT A BILL

- Informational flyer (3) - Customers of all bills will receive this flyer with their bill. It contains information about the new layout of the bill, how to pay your bill, and how to set up an online account.
- Water Use at a Glance (4) - This section shows your water usage for the billing period and compares it to your average daily use. It also includes a graph of your water usage over the past 90 days.
- Water Quality Report (5) - This section provides information about the water quality in your area. It includes information about the Kent County Water Authority's water treatment process and the results of water quality testing.
- Water Conservation (6) - This section provides information about water conservation tips and programs. It includes information about the Kent County Water Authority's water conservation program and the results of water conservation efforts.
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SAVE TIME AND MONEY

With the new layout of the bill, you can now pay your bill online, by phone, or by mail. You can also set up an online account to view your bill and make payments. You can also set up an online account to view your bill and make payments.

INFORMATION ABOUT RATES

Our commitment to providing a great customer experience is a top priority. We are committed to providing a great customer experience. We are committed to providing a great customer experience.

New Payment Methods Make Payments Easier

Online Customer Portal
Pay your bill using our customer portal

By Phone
Pay your bill using our automated phone service

By Mail
Make check payable to KCWA

In-Person
Make check payable to KCWA

ONLINE: Using Muni-link, customers may now pay their bill online using our new online customer portal by going to the Kent County Water Authority website www.kentcountywater.org and clicking "Pay your Bill" (<https://kentcountywater.org/pay-bill.aspx>). Payments are securely deducted from your checking account (ACH) or charged to your credit or debit card with no transaction fees. The new online customer portal will allow you to create an account where you can set up one-time payments or automatic payments. It is imperative that customers only use the www.kentcountywater.org website when making payments. This requires you to directly type the website address into your search engine. If you generically search Kent County Water Authority you may end up at a third-party website that charges additional fees and often leads to undue delays in receipt of your payment.

PHONE: Customers may also pay their bill using our new fee free automated phone service by calling 888-348-7154.

MAIL: The mailing address for your water bill payments is: Kent County Water Authority, P.O. Box 9901, Providence, RI 02940. Make check payable to KCWA and please note your account number on all checks and money orders.

IN-PERSON: Customers can continue to make payments in person at our office located at 1072 Main Street, West Warwick, RI, however, for safety reasons, as of September 1, 2018, cash is no longer accepted. Payments made in person at our office must be in the form of check, money order or credit and debit card. All payment methods have no transaction fees and the account number must be listed on the check/money order. Please note there is a drop box on the side of the building.

Information on payment methods can be obtained on www.kentcountywater.org or by contacting any of our customer service representatives at 401-821-9300.

Mass Notification System

In our continuing effort to keep our customers better informed we implemented the use of the SmartNotice system a few years ago. SmartNotice allows KCWA officials to deliver a prerecorded, tailored message, to either an entire community or a select portion of a city, advising residents about emergency and/or important system maintenance information regarding the drinking water system. SmartNotice allows us to quickly reach customers and area residents using telephone, email, and/or text communication. The SmartNotice system is a product line of the same Emergency Communication Network that handles the familiar CodeRED / OnSolve community notification system, with the exception that SmartNotice has been specially tailored for utility applications. Be prepared to receive a phone call, email, or text from our emergency mass notification system should a drinking water emergency or important system maintenance arise in your area.

The basic SmartNotice telephone database has its limitations as it is derived from the listings that are in the local printed telephone directories. To ensure you are included in our customer notification database it is imperative that every customer visit our website www.kentcountywater.org and register your cell phones, home phone and any unlisted phone numbers you wish to receive notifications on to ensure you are fully capable of receiving notifications. URL: (<https://public.coderedweb.com/CGE/BF0FB15C3487>) Even if you live in a community that already uses CodeRED you will still need to enroll in SmartNotice so you can receive messages specific to your drinking water. All numbers will remain confidential and will be used only to communicate drinking water emergencies and other important information regarding the public water system.

If you are reading this online follow this link to sign up today:

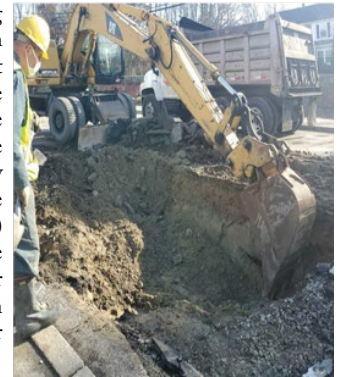


Infrastructure Improvements

Kent County Water Authority distribution and transmission mains comprise a network of more than 484 miles of underground infrastructure, storage tank facilities, and a multitude of pumps, wells and pressure control

KCWA reinvests \$0.003 of every \$0.007 per gallon charged to replace infrastructure in the system.

stations that must be continually maintained. Rhode Island General Law 46-15.6 requires that all large water suppliers implement an infrastructure replacement program to address such things as aged and failing mains, rehabilitation of tanks and pumping stations. Each water system throughout the state is required by law to provide a funding mechanism to replace and/or rehabilitate identified components at the end of their useful life within the framework of the regulations. We have a number of projects under construction and in the design phases. These contracts will replace underground water infrastructure including mains, service pipe, valves, and hydrants. As you might expect, water rates pay for the replacement of old and failing infrastructure. Costs associated with the infrastructure improvement program are incorporated in the rate structure for your billing. The rate structure and each infrastructure improvement program is fully reviewed and approved by the Public Utilities Commission (PUC) prior to commencing work on the planned improvements. Water is still the best bargain in town in comparison to bottled water or other utility and cable services.



In the year of this report much of the infrastructure work continued in Coventry. New infrastructure work will begin soon in Coventry, East Greenwich and West Warwick where approximately 24,000 linear feet of new water main will be installed and two pressure reducing valve stations will be replaced. We strive to achieve the most amount of infrastructure replacement within the rate structure budgetary limits reviewed and approved by the Public Utilities Commission. Infrastructure replacement improves water quality and the service you receive. Aging water mains, tanks and pumping stations must be systematically replaced to extend these costs over the life cycle of the asset. We are very pleased that the planned projects brought to final completion this past year improved water quality and overall service to our customers. Additionally, the roadways were paved curb to curb as part of the water infrastructure projects without any municipal cost sharing. This represents a great investment in your community without an increased burden on the municipal tax budget.



Capital Improvements

Capital improvement projects are intrinsic components to the future of the water supply system. These types of projects are aimed at improving water quality, regulatory compliance initiatives, and supply improvements that better serve our customers.

Our revised 2017-2022 Capital Improvement Plan (CIP) is available online at <https://kentcountywater.org/config/rpts-tech/Final2016UpdateCIPReport.pdf>. The plan maintains consistency with the principles and strategic goals of the Authority and its commitment to:



- Provide a consistent source of high quality, potable water for public consumption and fire protection.
- Reduce overall short and long-term maintenance costs.
- Coordinate water system improvements to comply with local and federal guidelines for consistent management and operation of a public water supply system.
- Planning to meet future economic and residential growth in the service district.

The CIP consists of a system-wide evaluation to produce a detailed plan for installation of new infrastructure required to improve the water system's operation and maintenance. It provides a planning document with systematic approach to implementing projected short-term (immediate) and long-term (out to 5-year) needs and requirements. The evaluation phase includes essential enhancements that are focused on future improvements in water supply, storage, pumping, treatment, transmission, and distribution systems necessary to meet regulatory requirements and overall water system service needs of the communities we serve. The plan is routinely reviewed in order to re-prioritize, modify, and update projects from previous CIP's based on economic growth patterns and supply needs throughout the service area. As the system grows, supply, service and projected administrative needs are incorporated into this planning document that is reviewed by several state and municipal entities.

The CIP project for the interconnection between the North and South High Service Zones will be nearing completion at the end of 2021. This new transmission main connection eliminates the vulnerability that previously existed and now provides a redundant supply capability to both zones.

The design of a new treatment facility for the East Greenwich Well began in 2020. The new treatment facility will remove iron and manganese from the water and include disinfection to ensure source water compliance with the current and proposed Safe Drinking Water Act and RI Department of Health regulations.

In 2019, an Architectural and Engineering firm was engaged to conduct an updated facilities analysis and evaluation study of the Kent County Water Authority's existing office and



maintenance facilities located at 1072 Main Street, West Warwick, RI. The facilities analysis and evaluation study concluded that it is not viable for the Kent County Water Authority to remain at the existing facility. Multiple potential properties were identified for the construction of a new facility. In 2020, the Kent County Water Authority signed a Letter of Intent and a Purchase and Sales Agreement for a parcel of land. The Kent County Water Authority is now in the due diligence phase of the project to further explore the viability of the selected property for the construction of new office and maintenance facilities.

In 2020, construction of an interconnection between the Kent County Water Authority and the Quonset Development Corporation was started. This interconnection will allow the Kent County Water Authority to provide up to 1.7 million gallons of water per day to the Quonset Development Corporation's customers and facilitate the public water supply necessary for expansion of business within the park.

Also in 2020, an update of the Kent County Water Authority's Water Supply System Management Plan (WSSMP) was submitted and approved by the RI Water Resources Board. The WSSMP contains a detailed description of the water system and includes policies and procedures related to the function, operation and management of the water system and also provides the framework for successful execution for achieving effective and efficient conservation, development, utilization and protection of the natural water resources of the state utilized by the Kent County Water Authority. The Executive Summary for the approved Kent County Water Authority WSSMP is available on the RI Water Resources Board website at http://www.wrb.ri.gov/work_programs_wssmp.html.

Protecting Your Watershed Protects You and Your Family

Clean, safe potable water starts at the source. Contaminants are mainly introduced to the watershed in what has been termed as point and non-point source contaminates. Point source pollution is that which can be traced to a specific source such as a factory, farm, leaking fuel tank or industrial site. Non-point source contaminants are more difficult to manage because they represent small, but cumulative contributions from each of us such as paint thinner, antifreeze and pesticides. It doesn't take long for our shelves to become cluttered with half-empty containers of chemicals. Chemicals, pharmaceuticals or pollutants inadvertently put down a



sink or street drain, or over application of fertilizer or pesticides sprayed around a foundation increase the occurrence of watershed contamination because they leach and travel with rain water to the aquifers that supply your drinking water.

Responsibility in establishing future land use protection strategies, zoning and growth projections for municipalities falls squarely on each city and town through legislative empowerment in Rhode Island General Law 45-22.2-3. We cannot over emphasize that the decisions made by your municipal leaders ultimately affect the quality and overall cost of your drinking water. Public participation is key in the protection of these sensitive drinking water sources. Your input is a critical component to the city and town land use decision making process regarding these sensitive drinking water aquifers and critical recharge areas within your communities.

We have made these areas more visible by installing wellhead protection signs within existing wellhead protection areas as an indicator of the proximity of your drinking water sources located in the towns of Coventry, East Greenwich and West Greenwich. We hope these signs have helped to increase public awareness and appreciation of the vital groundwater resources in these areas. We have also contacted these municipalities to request that these vital drinking water sources are kept protected as part of the zoning and planning processes. We urge you to contact your city or town council member and zoning official to see what else can be done to protect these resources. Public participation in the zoning decision making process is instrumental to protecting your drinking water resources. We think of our customers who live within these areas as the guardians of these essential resources. Your help to preserve these critical drinking water sources will be eternally appreciated by your future family and friends who must perpetually rely on them. Please contact us or the Rhode Island Department of Environmental Management at 401-222-3070 if you suspect a potential contamination concern exists.

The Pawtuxet, Mishnock and Hunt River aquifers including adjacent lands comprise the watersheds from which groundwater supply is drawn. There has been growing concern that groundwater withdrawal exceeds the recharge from some of these groundwater supplies. It should be noted that ninety to ninety-eight percent of household water use ends up down the drain. The water that goes down the drain ends up in either a septic system or in a public sewer system. Septic systems, or Onsite Wastewater Treatment Systems (OWTS), return water to the underground reservoirs. By contrast, public sewers provide conduits for the conveyance of wastewater to local sewage treatment facilities. The ferrying of water out of any recharge basin via sewers exacerbates groundwater depletion by redirecting critical replenishment supplies out of the basin. Also, these treatment facilities are required to produce an effluent discharge that, in many instances, exceeds drinking water quality standards to protect the highly sensitive flora and fauna in receiving rivers, estuaries, bays and eventually the Atlantic Ocean.

Statewide Water Use and Efficiency Rules

As a reminder the Rhode Island Water Resources Board voted some time ago to approve new water use rules based on language in the authorizing legislation. The regulations, http://www.wrb.ri.gov/policy_rules_wuea.html, require a reduction in customer use, capping it at 65 gallons per

person per day. This limit includes all inside and outside water uses such as lawn and garden watering, car washing, pool filling, clothes washing, cleaning, drinking, cooking and any other water use. Some of the intervention highlights include but are not limited to:

- The retrofit installation of conservation plumbing fixtures and “WaterSense” appliances.
- Limits on the size of landscapes that require irrigation, amount of water that can be used and times for operation of irrigation systems.
- Seasonal and inclining block rate structures that increase the cost of use as consumption increases.
- Establishment of new plantings restricted to spring and fall only.
- Public education and water audits.

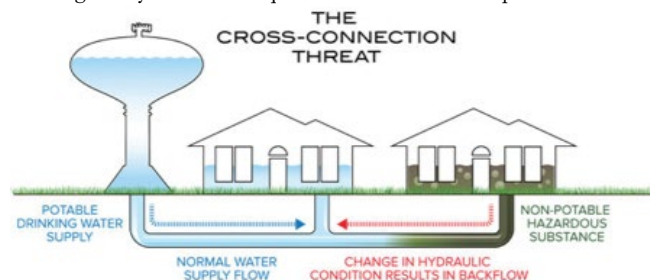
Many of these initiatives appear to fall under the purview and enforcement authority of city and town building and zoning officials, but so far only the water suppliers will be held accountable if targets are not met. Rate structures will have to change to comply with the adopted regulations. Increased water prices and outside water use moratoriums can be expected if customer use exceeds the 65 gallons per person per day cap. Lifestyle changes are necessary to comply with these mandates. Please take the opportunity to research better ways to curtail and take better control of your everyday water use. Looking for and repairing leaks, reducing the time in the shower and doing full loads in your clothes and dishwasher are all great ways to implement conservation wise strategies in your home.

Demand Management & Conservation

- The Water Use & Efficiency Act requires water suppliers to manage demand to assure the long-term viability of water resources and water supply, to provide for strategic, prudent, reasonable and necessary use of water supplies, and to control and/or curtail water use during periods of diminished water supply availability including droughts.
- Outdoor water use during the summer months contributes to the increase in the average daily demand on most, if not all, water systems throughout the State.
- Despite KCWA’s perpetual odd even water restrictions reinforced this past summer, customers used record volumes of water resulting in high bills. KCWA received over 500 high bill complaints from water used during the record drought.

Cross Connection Control

We are continuing to reach out to our commercial customers that were found noncompliant with RIGL 46-13-22 Cross Connection Control and RI Department of Health containment backflow device requirement. The regulatory backflow requirements focus on the protection of the



Kent County Water Authority Water Quality Data

The tables list all of the drinking water constituents detected during the calendar year of this report. The presence of those constituents found in the water at the time of testing does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in these tables are from testing done in the calendar year of the report. In some cases the EPA and the state may require us to monitor for certain constituents less than once per year because the concentrations of these constituents do not change frequently.

Kent County Water Authority routinely monitors for constituents in your drinking water in compliance with federal and state laws. This table shows the detection results from the numerous monitoring tests conducted for the period January 1, 2020 to December 31, 2020. The tables of "Testing Results" identify those constituents that were "detected" in both the Kent County Water Authority and Providence Water Supply sources. As authorized by the EPA, the state has implemented reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of our data, though representative, is more than one year old.

CONTAMINANT	PERIOD	UNIT	MCL	MCLG	DETECTED LEVEL	RANGE	MAJOR SOURCES	SDWA VIOLATION
Barium (2)	2020	ppm	2	2	0.015	0.004-0.015	Erosion of natural deposits.	NO
Chromium (2)	2020	ppb	100	100	2.0	N/A	Erosion of natural deposits.	NO
Nitrate (6)	2020	ppm	10	10	3.32	1.44-3.32	Erosion from natural deposits. Leaching from septic tanks; sewage; runoff from fertilizer use.	NO
Turbidity (4)	2020	NTU	TT	N/A	0.29	0.02 - 0.29	Soil runoff.	NO
Total Organic Carbon (1)	2020	N/A	TT	N/A	1.69	1.57 - 1.86	Naturally present in the environment.	NO
Fluoride (2)	2020	ppm	4	4	0.50	0.26 - 0.50	Erosion of natural deposits. Water additive, which promotes strong teeth.	NO
Chlorine (as Cl ₂), Free Residual	2020	ppm	4	4	0.48	0.40 - 0.53	Water additive used to control microbes.	NO
Total Trihalomethanes (TTHM) (5)	2020	ppb	80	0	61.0	16.2 - 87.7	Byproduct of drinking water chlorination.	NO
Combined Radium 226/228 (Pci/L) (2)	2017	pCi/L	5	0	1.2	0 - 1.20	Erosion of natural deposits.	NO
Haloacetic Acids (Haa5) (5)	2020	ppb	60	0	21	6.2 - 29.3	Byproduct of drinking water chlorination.	NO
Di(2-ethylhexyl) phthalate (7)	2020	ppb	6	0	2	0-2	Discharge from rubber and chemical factories.	NO
LEAD AND COPPER ACTION LEVEL								EXCEEDANCE
Copper	2020	ppm	1.3	1.3	0.011	N/A	Corrosion of household plumbing systems. Erosion of natural deposits. 0 sites out of 30 were above 1.3 ppm.	NO
Lead	2020	ppb	15	0	2.8	N/A	Corrosion of household plumbing systems. Erosion of natural deposits. 0 sites out of 30 were above 15 ppb.	NO

Kent County Water Authority Table Footnotes:

- (1) Detection level influenced by Providence Water purchases
- (2) Reflects sampling at groundwater source before blending with purchased water from Providence Water.
- (3) In order to comply with the EPA standard, the removal ratio must be greater than 1. Detected level is the lowest removal ratio per quarter. Range is the lowest and highest removal ratios per month.
- (4) 0.29 was the highest single turbidity measurement recorded. The lowest monthly percentage of samples meeting the turbidity limit was 100.0%. The average turbidity value for 2020 was < 0.10 NTU.
- (5) Compliance is based upon the highest quarterly local running annual average (LRAA) and range is based upon lowest and highest individual measurement.
- (6) Nitrate was detected in three samples of source water.
- (7) Di(2-ethylhexyl) phthalate was detected in a single sample of Providence Water source water.

Table Unit Descriptions:

AL	Action Level	ppm	Part Per Million
MCL	Maximum Contaminant Level	N/A	Not Applicable
MCLG	Maximum Contaminant Level Goal	ND	None Detected
pCi/L	picocuries per liter (a measure of radioactivity)	HA	Health Advisory
ppb	Parts Per Billion, or micrograms per liter	MRDL	Maximum Residual Disinfection Level
TT	Treatment Technique	MRDLG	Maximum Residual Disinfection Level Goal
NTU	Nephelometric Turbidity Units	ng/l	Nanograms per liter

Definitions:

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.

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.

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

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

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 the control of microbial contaminants.

MRDLG: Maximum Disinfectant Level Goal, 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 contaminants.

Contaminates Detected That Are Not Regulated:

The USEPA mandated sampling methods performed under the National Primary Drinking Water regulatory requirements provide results that include detection of both regulated and additional monitoring data that includes unregulated contaminants, also known as the UCMR program. Regulatory requirements prohibit including nonregulated contaminants in the main table of regulated contaminants. Questions concerning these contaminants can be best

addressed by calling the Safe Drinking Water Hotline 1-800-426-4791 or RIDOH office of Drinking Water Quality 401-222-6867 or 401-222-7762. The following contaminants were detected during the UCMR4 2020 sample period and may come from a variety of sources such as minerals, agriculture, urban storm water runoff, commercial processes, water treatment and residential uses:

UNREGULATED SUBSTANCES	PERIOD	UNIT	DETECTED	RANGE	MAJOR SOURCES
Chloroform	2020	ppb	580.0	N/A	By-product of drinking water chlorination
Sodium	2020	ppm	49.0	N/A	Runoff from road de-icing operations

Providence Water Quality Data

The full Providence Water Consumer Confidence Report sampling results are being provided within the Kent County Water Authority report at the request of the RIDOH Office of Drinking Water Quality. The sampling results shown in this table for lead, copper, haloacetic acids, total coliform bacteria and total trihalomethanes reflect sampling taken within the Providence Water distribution system. Some of the sample results in the table below represent results of the testing performed by the Providence Water Supply Board that has been identified as applicable to the reporting requirements for our Cranston area customers. Results shown on the Kent County Water

Authority Quality Data table for lead, copper, haloacetic acids, total coliform bacteria and total trihalomethanes reflect sampling taken within the Kent County Water Authority distribution system and are applicable to all of our customers. Providence Water had one Safe Drinking Water Act violation in reference to a 90th percentile lead exceedance which was above the action level from sampling conducted within their distribution system during 2020. Questions regarding Providence Water data should be directed to the RIDOH Office of Drinking Water Quality 401-222-6867.

CONTAMINANT	PERIOD	UNIT	MCL	MCLG	DETECTED LEVEL	RANGE	MAJOR SOURCES	SDWA VIOLATION
Barium	2020	ppm	2	2	0.009	NA	Erosion of natural deposits	NO
Chlorine (as Cl ₂), Free Residual	2020	ppm	MRDL = 4.0	4	0.56	0.00 - 1.31	Water additive used to control microbes	NO
Fluoride	2020	ppm	4	4	0.77	0.60 - 0.77	Erosion of natural deposits. Water additive which promotes strong teeth.	NO
Haloacetic Acids (HAA5) (3)	2020	ppb	60	0	21.3	3.4 - 24.6	By-product of drinking water chlorination	NO

CONTAMINANT	PERIOD	UNIT	MCL	MCLG	DETECTED LEVEL	RANGE	MAJOR SOURCES	SDWA VIOLATION
Total Trihalomethanes (TTHM) (3)	2020	ppb	80	0	60.6	28.3 - 74.4	By-product of drinking water chlorination	NO
Total Coliform Bacteria (4)	2020	% Positive Samples Per Month	Presences of Coliform Bacteria in >5% of Monthly Samples	0	1.14	N/A	Naturally present in the environment	NO
Turbidity (2)	2020	NTU	TT	NA	0.29	0.02 - 0.29	Soil runoff	NO
Di(2-ethylhexyl) phthalate (5)	2020	ppb	6	0	2	0-2	Discharge from rubber and chemical factories.	NO
LEAD AND COPPER	ACTION LEVEL				EXCEEDANCE			EXCEEDANCE
Copper	2020	ppm	1.3	1.3	0.025	N/A	Corrosion of household plumbing systems. Erosion of natural deposits. 0 sites out of 168 were above 1.3 ppm.	NO
Lead	2020	ppb	15	0	18	N/A	Corrosion of household plumbing systems. Erosion of natural deposits. 38 sites out of 295 were above 15 ppb.	YES

Water Quality Table Footnotes:

- (1) In order to comply with the EPA standard, the removal ratio must be greater than 1. Detected level is the lowest removal ratio per quarter. Range is the lowest and highest removal ratios per month.
- (2) 0.29 NTU was the highest single turbidity measurement recorded. The lowest monthly percentage of samples meeting the turbidity limit was 100.0%. The average turbidity value for 2019 was < 0.10 NTU.
- (3) Compliance is based upon the highest quarterly LRAA and range is based upon lowest and highest individual measurement.
- (4) This value refers to the highest monthly percentage of positive samples detected

- during the year. For 2020, Providence Water collected 2026 samples for Total Coliform Rule compliance monitoring. Seven of these samples were positive for total coliform bacteria. None were positive for E. Coli.
 - (5) Di(2-ethylhexyl) phthalate was detected in a single sample of source water.
 - (6) Unregulated contaminants are those that don't yet have a primary drinking water standard set by the US EPA. The purpose of monitoring for these contaminants is to help US EPA develop regulatory decisions for these contaminants.
- N/A = Not Applicable TT = Treatment Technique

Providence Water Fourth Unregulated Contaminant Monitoring Rule Results (UCMR4). Unregulated contaminants are those that don't yet have a primary drinking water standard set by the US EPA. The purpose of monitoring for these contaminants is to help the US EPA develop regulatory decisions for these contaminants.

UNREGULATED SUBSTANCES			AVERAGE	RANGE	MAJOR SOURCES
Sodium	2020	ppm	15.0	NA	Runoff from road de-icing operations.
FOURTH UNREGULATED CONTAMINANT MONITORING RULE (UCMR 4) (6)			DETECTED LEVEL	RANGE	MAJOR SOURCES
Bromochloroacetic Acid (BCAA)	2018	ppb	1.85	0.4-2.79	By-product of drinking water chlorination
Manganese	2018	ppm	0.0008	0.0005-0.001	Erosion of natural deposits.

Lawn Care and Landscaping Tips

Water usage during the summer months increases significantly. This is primarily related to outdoor water use, the majority of which can be directly attributed to lawn watering. You can effectively reduce your summer water use in the following ways:

- **Plant less lawn** - Reduce traditional grass lawns where possible. Grass requires more water than other types of ground covers. Replace lawn with drought tolerant shrubs, perennials and ground cover.
- **When to Plant Lawn** - The best time to plant grass is in the early spring or the early fall. The temperatures promote growth and the watering requirements are significantly less.
- **Grass Selection** - Select a native, drought-resistant, or low-water-use turf grass such as fescue grasses. Many varieties are available for your use that includes blends of drought tolerant varieties.
- **Plant Trees** - Trees help maintain moisture for nearby plants.
- **Odd/Even Policy** - KCWA's year-round odd/even watering policy is in place to help promote conservation and even out the peak demands placed on the available water supplies. This policy does not mean that you are obligated to water your lawn every other day. Watering every other day when soil conditions do not require it can encourage shallow roots, disease and can weaken plants.
- **Water grass only when needed** - Your lawn needs only one inch of water a week to remain actively growing and healthy. Use a rain gauge to measure weekly rainfall and apply only the amount of extra water needed. Depending on the weather and type of grass, your lawn may go naturally dormant turning brown or hay like in color no matter how much you water. A good rule of thumb is to water approximately once every four to five days and use the rain gauge.
- **Best time to water** - Early morning is best. Less water is lost to evaporation and you will also reduce fungus problems with your lawn.
- **Maintain your lawn properly** - Maintain your lawn at three to four inches in length during the summer heat. During a serious, prolonged drought consider allowing lawns to go naturally dormant, because watering can actually stress the grass more by forcing it to grow under such adverse conditions.
- **Limit Fertilizer Use** - Fertilizer increases the plant's thirst for water. Avoid use of fertilizers in the summer.
- **Natural Runoff** - Install cisterns or rain barrels to collect water from downspouts which can later be used for watering plants and flowers or depress your lawn 1" or 2" to capture and hold runoff from your downspouts.
- **Soil Preparation** - Preparing your soil properly is perhaps the most important aspect of a water conservative landscape. Deep cultivation with lots of organic matter such as compost, leaf mold and peat moss will enrich the soil naturally and hold large quantities of water for proper growth of the root system and plants.
- **Using Mulch** - Use of mulch around plantings helps to reduce evaporation and maintain moisture, limit heat stress and discourage weed growth.

For more information visit the URI Healthy Landscapes Program website, www.healthylandscapes.org or call (401) 874-5398.

In-ground Automatic Sprinklers are perhaps the largest contributing factor to seasonal water waste. If used correctly, in-ground sprinklers can

be somewhat water efficient. Unfortunately, many systems are not set up properly, or do not contain necessary moisture/rain sensors to prohibit operation when it is not necessary. In some cases homeowners may not know how to reset the system for maximum efficiency. This results in considerable wasted water. The following general guidelines can help make your sprinkler system more efficient:

- A licensed irrigation professional should inspect and adjust your system each year.
- The point of connection is the supply line for the irrigation system. All connections, fittings and valves should be inspected for leaks and proper operation including the correct operating pressure. Excessive pressure can result in water waste and damaged parts.
- Sprinkler valves open and close to allow for operation of each zone. This is programmed into the controller and should be inspected regularly. Malfunction of these valves can also result in wasted water.
- Sprinkler heads should be checked for proper spacing and alignment, application rates and operating pressure. Move or cap sprinkler heads to avoid watering paved or non-vegetated areas.
- Look for suspicious spots in your landscape that are much greener or consistently wet and muddy. This may be due to an underground leak or other malfunction.
- Learn how to program the system and manage it in manual mode.
- Water once or twice per week. Frequent light watering events encourage disease and shallow roots.
- Water early in the morning to reduce evaporation.
- Do not over water. Use a rain gauge and strive for one inch of water per week (rainfall + irrigation = one inch/week).
- Sprinklers are best suited for grass. Drip irrigation is preferable for plants and shrubs.

Upgrade your system with conservation technology to meet current KCWA Rules and Regulations:

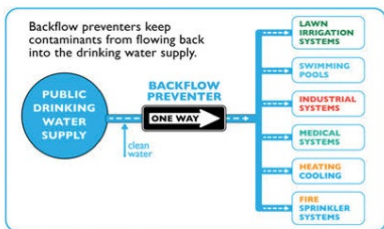
- Install a rain shut-off device to prevent watering when it rains.
- Install a soil moisture sensor that schedules irrigation based on soil moisture conditions.
- Consider installing a "smart" controller that schedules irrigation based on weather conditions. For more information visit the Irrigation Association website, www.irrigation.org.
- Other conservation tips can be found at: <https://kentcountywater.org/learning-center-conservation.aspx>



The grass may be greener on the other side of the fence, but the water bill is probably higher too.

Continued from pg. 9

public water system through “containment” approach. Containment requires the installation of an appropriate backflow prevention device directly following the meter or service isolation valve in the immediate vicinity where the water service enters the building or meter enclosure. Rhode Island plumbing code also requires the installation of thermal expansion apparatuses in conjunction with the backflow device installation. Our commercial customers have been receiving written notification to provide a schedule for compliance installation of these devices. Overall customer response to installation of the required containment backflow device has been good and the program is waning completion as the remaining customers acquiesce to the law. As a reminder, customers do not need to receive notification to take action towards installation of a containment backflow device. It is advisable though to contact our office prior to accomplishing the installation to assure the full containment backflow requirements will be met. Everyone’s cooperation in this program is essential to assure compliance requirements are completed to meet the merit of the law and the protection of the public water system from the potential of contamination. If the required device has already been installed at your property, please contact us at 401-821-9300 to set up an appointment to have one of our field representatives perform a verification inspection.



- The meters being installed at KCWA are the same mechanical meters that are being removed due to age and technological limitations. The new meters store 90 days of use information and can transmit the information over the air.
- The meters measure using a positive displacement (PD) nutating disk.
- A mechanical meter does not move unless water goes through it.
- Mechanical meters do not speed up with time. They either stop working or slow down. New meters read more accurately than old meters. New meters register down to 0.01 cu ft/min.
- All new meters are certified factory tested to AWWA standards before they are installed. Each new meter has a test results tag attached.
- Certified accuracy testing information for every new meter installed in the KCWA system is available at www.kentcountywater.org

This technology represents a hybrid of mechanical metrology with an analog display coupled with digital meter registering equipment for efficient retrieval and accurate accounting of consumer consumption. The analog display chosen for the new meters was implemented as it was easier for customers to read and understand. Specifically, leak detection and high-water use trending helps provide the information necessary to answer customer questions concerning unusual or abnormal consumption related billing concerns. Radio reading technology reduces labor factors related to system wide collection of reads and will facilitate the future move to a monthly billing cycle similar to other utility and consumer credit billing cycles. KCWA has filed with the PUC to start monthly billing in late summer of 2021 with the goal to have all customers on monthly billing cycles by October.

Systemwide Meter Change Out Program

Public Utilities Commission Docket 4611 incorporated funding to move forward with a residential meter change out program. The last system wide residential meter change out program occurred more than 20 years ago. Water meters have moving parts that over an extended period of time wear incrementally in relationship to the amount of water that passes through the meter, as clearances between the parts increase, the accuracy of the metered consumption can be compromised. Basically, some water use could be unaccounted for. The Division of Public Utilities and Carriers regulatory guidance requires residential meters less than or equal to 2 inches in size to either be tested or replaced at 20-year intervals. The manufacturer no longer supports the technology of the majority of the residential meters currently in service. The age and technological obsolescence of the existing meters makes the systemwide testing of meters cost prohibitive and would not provide any long-term benefit to our customers. Changing out the existing meters that do not meet current technology is the only viable option that delivers the most benefit to our customers. There is no cost to the customers for the new meter.



The meter change out program contract was awarded in 2019. Meter change out work is progressing through the district by geographic areas but progress has been hampered due to Covid-19. As of April 1, 2021, over 17,000 meters have been replaced, which is approximately 70% of the meters. Customers are being contacted by the installation company by mail with a postcard to set up appointments to remove the existing meter and install the new meter during one visit to your property. The contractor has put in place Covid-19 protocols to protect both the customers and installation personnel. Customers can either go online to book their appointment or call the phone number on the postcard. It is anticipated that the meter change-out program will be completed at the end of 2021 to enable a coordinated installation plan that facilitates the continuation of billing and customer service functions during the transition to the new software and metering technology. We greatly appreciate your support and cooperation as we move forward to successful completion of this complex program.

High Billing Inquiries

In the fall of 2020, KCWA received several billing inquiries/complaints from customers regarding perceived rate hikes on their summer bills when the usage rates actually went down under PUC Docket 5012 effective September 1, 2020. The cost of water is directly related to the amount a customer uses, thereby creating the perception of increased “water charges or rate hikes” if the customer has increased usage in each quarter. These complaints were exacerbated by members of the General Assembly fielding multiple calls from constituents on the matter trying to answer technical questions without a full understanding of the procedural details

or how to properly direct customers to dispute their bills and/or usage. The circumvention of the normal procedures regarding billing disputes further aggravated the situation and made many customers even more confused on what to do.

KEY FACT: The new meters being installed at KCWA are very sensitive to low flows and can measure down to 0.01 cubic feet per minute (CFM). A leaking toilet or other small leak in an irrigation system left unnoticed or unchecked at 0.01 CFM equals over 10,771 gallons of water in an average reading cycle of 100 days. This example issue would be reduced to 3,600 gallons if the customer received a monthly bill.

KCWA met with several members of the General Assembly and it was opined that many disputes would not have happened if the customers could better associate the specific usage period to the bill rather than the billing period due to confusion over when the water was actually used. It was also expressed by all that if customers knew how much water they were using sooner they would have curtailed their increased water use during the extreme drought. The usage increases were also further aggravated by an abnormal shift in residential use patterns as a result of Covid-19. KCWA completed comprehensive and thorough investigations for all disputes received. It was concluded that the increased usage in outdoor water for irrigation and/or recreation use during the extreme drought conditions was the primary cause of the vast majority of the disputed water charges. KCWA found that 448 / 556 (~ 81%) investigations have either revealed no change / a decrease in consumption between billing periods or expected slight increases due to summer water usage. KCWA did discover in its investigations that a few of the bills were incorrect due to clerical errors from manual meter reading entries into the system. These required manual procedures have been modified to add layers of QA/QC checks to ensure all final readings are entered correctly by the installation contractors, verified in the field by the customer, and cross checked by KCWA staff.

As a regulated utility, KCWA customers dissatisfied with initial billing investigatory findings are afforded the opportunity to file formal complaints with the Division of Public Utilities and Carriers (DPUC) whom has appellate jurisdiction over KCWA. The DPUC provided 127 consumers with independent reviews pursuant to Rule 815-RICF-00-00-1.7 of the Division's Rules of Practice and Procedure or request a regulatory review/hearing pursuant to Rule 810-RICR-10-00-1.13 and 1.14 of the Commission's Rules and Regulations Governing the Termination of Residential Electric, Gas and Water Service. DPUC, to date, also reached the same conclusion as KCWA for all customers that requested second independent investigations.

It was solidified from the investigations by KCWA and DPUC that more frequent readings from monthly billing would allow staff, and customers, to identify problems earlier such as potential water leaks



and also proactively alert customers to their usage patterns before small problems become larger ones that can be financially burdensome.

Kent County Water Authority records show a production increase of 260 million gallons of water in 2020 compared to 2019 to meet the rising customer demand. In fact, every water system in Rhode Island experienced the same extreme increases in water consumption in 2020. What went into the system translated into higher-than-normal summer increases in usage. Our website www.kentcountywater.org presents all of the information on the high bill investigations that were completed.

Independent Certified Meter Testing: There was great concern regarding the accuracy of the new meters being installed in the KCWA service area as a result of the media coverage. The erosion of the public's trust by misinformation by some public officials led many customers to believe the new meters installed in their homes were driving up their consumption resulting in higher water bills. However, the investigations found that more than half the customers that complained were billed on old meters that had not yet been replaced and the meters all read accurately.

To further solidify the accuracy of the meters, the DPUC requested that 34 meters be independently tested to determine their precision on a certified test bench. The 34 meters tested were a combination of customers' old meters and newly installed meters. The meter testing confirmed that all meters were reading accurately in accordance with American Water Works Association (AWWA) Standards. Information with regards to the accuracy of the new meters being installed as part of the systemwide meter change out program can be found on our website at <https://kentcountywater.org/activeprograms.aspx> and includes the certified meter accuracy test results for all meters installed within the system since 2018 as well as the AWWA meter accuracy standards.

Nonpayment Shutoff

Delinquent accounts have been at an all-time high during this past year. We attribute this to the impacts of Covid-19 on everyone's finances. The charge for shutoff of a delinquent account is \$55.00. After payment of the delinquent amount, the turn on charge is \$45.00. This results in an additional \$100.00 added to the delinquent amount before water service can be restored to your property. It is very important that you contact us as soon as you think you may not be able to make payment within the normal 30-day grace period. At that time, we can discuss options for payment and perhaps offer a payment plan to get you through a tough period and avoid the shutoff and turn on charges. If you stay within your payment structure it will save you from the additional \$100.00 charges associated with the shutoff and turn on policy.

The additional costs associated with shutoff for nonpayment of your quarterly bill is a very important consideration. These costs have been reviewed and approved by the Public Utilities Commission. These charges are in addition to the overdue amount and any accumulated interest. They apply at the time service has been shut off. Waiting until the water has been shutoff for nonpayment will cost you more than making a timely payment. We would like to help and payment plans are a great option to get you through a tough period.

Account Contact Information

Keeping your account contact information up to date is an important factor in our ability to communicate with you should a problem arise. Our customer service representatives will be asking for updated phone contact and billing information as part of any interaction with our customers. Feel free to contact our customer service staff at 401-821-9300 to verify your account information anytime your contact information changes. Our customer service representatives will assist you. Thanks for your cooperation.

Tips That Help You Save

Toilet leaks: Does your toilet cycle when no one is in the bathroom? Do you have to jiggle the handle to stop the toilet from running? These are all symptoms of worn or maladjusted components resulting in leaks inside of your toilet. We recommend testing your toilets for leaks at least once a year. The process is very simple and can save you from receiving an unexpected large water bill. Add food coloring or other non-staining dye tablets to your toilet tank. Customers can obtain free dye tablets at our office. Let the toilet stand for twenty minutes. If the water in the bowl changes color, it indicates that toilet tank water is leaking into the bowl and down the drain. Directions are provided for detecting a leaky toilet at <https://kentcountywater.org/water-meter-reading.aspx#leak-test>.

Frozen pipes: Each year during the winter months we respond to increased calls from our customers reporting no water. The findings are almost always associated with frozen pipes and meters during this time of the year. Most often drafts, improperly insulated pipes, failed heaters or failed heat tape devices are found to be the cause. To prevent damage from occurring, the best time to inspect and correct these situations is before the cold weather sets in. Preventive measures are very often less costly than repairs associated with flooding and burst plumbing resultant from frozen pipes.

Monitoring Your Meter: It is imperative that each customer monitor their meter on a regular basis to identify if leaks or an abnormally high increase in water usage due to seasonal consumption is occurring. The Kent County Water Authority currently presents bills to its customers reflecting the previous “quarterly” consumption. So if you receive an abnormally high bill it is often difficult to pinpoint the probable cause when it potentially occurred two to three months prior. The shift to monthly billing in the summer of 2021 will alleviate these issues by arming the customers with usage data and high usage alerts on their bills monthly. Problems or usage changes can be remedied or modified in as close to “real time” as possible.

Each meter register is equipped with a leak detection feature and customers should check it regularly. On analog registers it's a red indicator dial or sweep hand. On digital registers it's a blinking faucet that must be activated by waving a flashlight over the register. (<https://kentcountywater.org/water-meter-reading.aspx#leak-test>) The process is simple. Make sure no one is using any plumbing fixture or appliance in the home. During this period observe the register indicator. If the sweep hand or dial is rotating or, the faucet is flashing in the case of a digital register, this indicates a leak. You can further investigate the source of the leak by isolating or shutting the water valve off to each toilet and appliance one

at a time. Check the leak detector each time after isolating each plumbing fixture. If the detector stops, you have found the source and a plumber should be able to assist you with the repair. If you have a question about this leak detection process, feel free to call one of our customer service representatives and they will be happy to assist you in this concern.

If you would like to test the accuracy of your meter, instructions found online at <https://kentcountywater.org/meter-accuracy-test.aspx> will guide you on how to check your meter for accuracy using a 5 gallon bucket.

Source Water Assessment

The latest source water assessment and wellhead protection plan for the Kent County Water Authority supply was completed in 2012. This plan includes the Mishnock well field, Spring Lake Well and East Greenwich well. The susceptibility to contamination for all three wells was determined to be "MODERATE" according to the guidelines used by the Department of Health during the assessment. This ranking is considered to be an average ranking for the water supply. Future risk may be expected to increase with continued development. Copies of this Assessment can be obtained from the RI Department of Health at 401-222-6867.

Hydrant Flushing Program

Twice each year we flush our water mains. We often receive calls from customers asking why we are wasting water. The answer is, it's a common waterworks maintenance practice to remove precipitated minerals and other accumulated sediment to help improve and maintain the quality of your drinking water and flow capacity to hydrants and the system as a whole. This program provides valuable system operating information relative to transmission pump operation, hydrant operation and other operational factors critical to assessing the reliability of multitude equipment components comprising the water system. So the next time you see our water system operators performing this function know that we are doing this in the best interest of our customers.



Health Effects Information

Nitrate in drinking water at levels above the MCL of 10 ppm is a health risk for infants of less than six months of age. Infants below the age of six months who drink water containing nitrate in excess of the MCL of 10 ppm could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and 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 healthcare provider.

Nitrite in drinking water at levels above the MCL of 1 ppm is a health risk for infants of less than six months of age. Infants below the age of

six months who drink water containing nitrite in excess of the MCL of 1 ppm could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome. Nitrite 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 healthcare provider.

E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys or central nervous system, and may have an increased risk of getting cancer.

MCLs are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day, at the MCL, for a lifetime to have a one-in-one-million chance of having the described health effects.

Additional Health Effects Information

The sources of drinking water (both tap and bottled water) include rivers, lakes, ponds, reservoirs, springs, and wells. As water travels over the land or through the ground, it dissolves naturally occurring minerals, radioactive material and can pick up substances or contaminants resulting from the presence of human or animal activities.

All sources of drinking water are subject to potential contamination from substances that are naturally occurring or manmade such as: microbes, inorganic and organic chemicals, and naturally occurring radioactive substances. All drinking water, including bottled drinking water, may reasonably be expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk. More information on contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline 800-426-4791 or visit the EPA web site www.epa.gov/safewater.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer who are 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 from their healthcare providers about drinking water. EPA and CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Lead Informational Statement

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. Kent County Water Authority

is responsible for providing high quality drinking water, but cannot control the variety of materials that may have been 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 <http://www.epa.gov/safewater/lead>.

Important Information About Your Drinking Water

Monitoring & Reporting Requirements Not Met for Kent County Water Authority

PWS# RI1559511

Our water system violated a drinking water standard over the past year. Although this was not an emergency, as our customers, you have the right to know what happened and what we did to correct the situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards.

One (1) total coliform-present sample was collected from our distribution system on 12/10/2019, requiring a follow-up ("triggered") source water sample to be collected. However, our triggered well sample was collected from a finished water sample that contained chlorine instead of the raw, untreated, water tap as it should have been.

What should I do? There is nothing you need to do at this time.

The table below lists the contaminant(s) we did not properly test for during the last year, how often we are supposed to sample for the contaminant(s) and how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date on which follow-up samples were (or will be) taken.

Contaminant	Total Coliform
Required Sampling Frequency	1 raw water well sample following a total coliform-present result
Number of Samples Taken	0
When All Samples Should Have Been Taken	12/11/2019 or 12/12/2019
When Samples Were Taken	01/09/2020

What is being done? We collected a raw water well sample on 01/09/2020. We have returned to compliance with this violation.

For more information, please contact David Simmons at 401-821-9300.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.



Kent County Water Authority
P.O. Box 192
West Warwick, RI 02893-0192

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