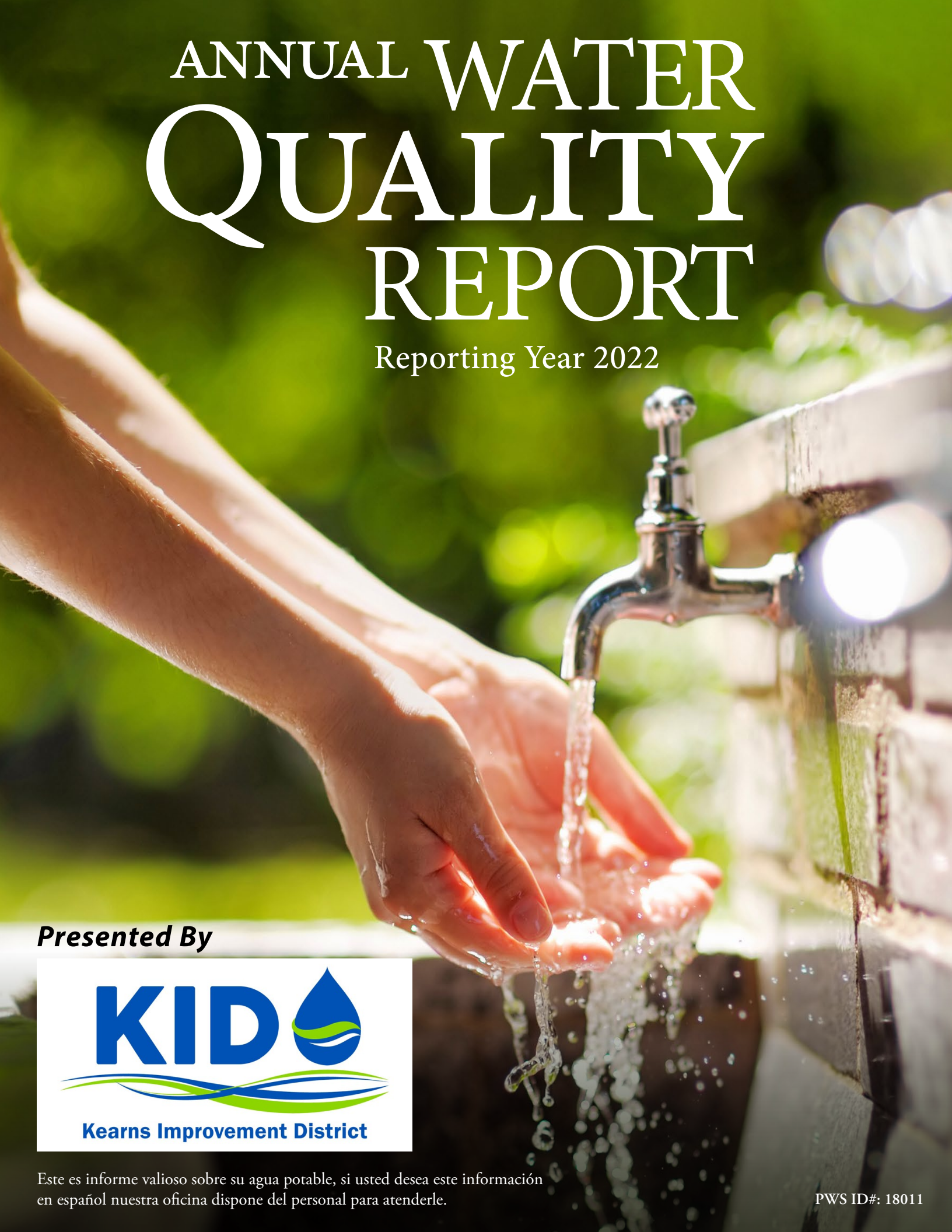
ANNUAL WATER QUALITY REPORT

Reporting Year 2022



Presented By

KID

Kearns Improvement District

Este es informe valioso sobre su agua potable, si usted desea este información en español nuestra oficina dispone del personal para atenderle.

PWS ID#: 18011

Report Introduction

Each year the Kearns Improvement District (KID) has the opportunity to publish a report on how well we have met the requirements of the state and federal regulations regarding the delivery of one of our most precious resources--safe, clean, and reliable drinking water. Simply put, KID has met or exceeded all regulatory requirements in the delivery of our community's water. The water is continually sampled and tested to ensure its quality as it is delivered to each of you, our customers.

We are encouraged by the abundant snowfall this winter that will help restore our depleted lakes and reservoirs. However, despite the precipitation we have received, we are still in a drought. We encourage you to please continue to conserve. On our website, kearnsid.org, we have published tips and conservation grant opportunities that will help you in this effort. Our water for tomorrow begins by conserving today!

The U.S. EPA and the Utah Division of Drinking Water have mandated that all water providers inventory their water system to determine if it contains lead piping. Lead in a water system can be detrimental to the health of the consumer. Currently, KID is actively investigating our water system piping. To date, we have not found any water mains or service laterals made of lead. We invite you to visit kearnsid.org and click on the Lead & Copper Rule (LCR) tab to view an informational video about the LCR and track our efforts in this endeavor.

In this report, we have tried to anticipate the questions or concerns that you may have regarding our water. If you still have questions, please feel free to contact me or John Lawson, Water Quality Specialist, at (801) 968-1011, and we will provide the information you need. Our commitment and promise to our customers, our employees, and our community is that you will know that KID CARES!

F. Greg Anderson, PE
General Manager and CEO

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two 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 at (800) 426-4791 or www.epa.gov/safewater/lead.

Source Water Assessment

A Water Source Protection Plan is now available at our office. Call us at (801) 968-1011) if you'd like to review it. This plan is an assessment of the delineated area around our listed sources through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area and a determination of the water supply's susceptibility to contamination by the identified potential sources. KID sources have a low to moderate susceptibility to contaminants.

JVWCD also has a Drinking Water Source Protection Plan available for review. Please call (801) 565-4300 if you have any questions or would like to review the plan. JVWCD sources have a low to moderate susceptibility to contaminants.

Important Health Information

While your drinking water meets U.S. EPA's standard for arsenic, it does contain low levels of arsenic. U.S. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. U.S. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or http://water.epa.gov/drink/hotline.

Community Participation

You are invited to attend our board of trustees meetings. We generally meet the second Tuesday of each month at 5:30 p.m. at the KID office, 5350 West 5400 South, Kearns.

Count on Us

Delivering high-quality drinking water to our customers involves far more than just pushing water through pipes. Water treatment is a complex, time-consuming process. Because tap water is highly regulated by state and federal laws, water treatment plant and system operators must be licensed and are required to commit to long-term, on-the-job training before becoming fully qualified. Our licensed water professionals have a basic understanding of a wide range of subjects, including mathematics, biology, chemistry, and physics. Some of the tasks they complete on a regular basis include:

- Operating and maintaining equipment to purify and clarify water.
- Monitoring and inspecting machinery, meters, gauges, and operating conditions.
- Conducting tests and inspections on water and evaluating the results.
- Maintaining optimal water chemistry.
- Applying data to formulas that determine treatment requirements, flow levels, and concentration levels.
- Documenting and reporting test results and system operations to regulatory agencies.
- Serving our community through customer support, education, and outreach.

So the next time you turn on your faucet, think of the skilled professionals who stand behind each drop.

Water Stress

Water stress occurs when the demand for water exceeds the amount available during a certain period or when poor water quality restricts its use. Water stress causes deterioration of freshwater resources in terms of quantity (aquifer overexploitation, dry rivers, etc.) and quality (eutrophication, organic matter pollution, saline intrusion, etc.).

> "Thousands have lived without love, not one without water."
>
> —*W.H. Auden*

According to the World Resources Institute (WRI; www.wri.org), the Middle East and North Africa remain the most water-stressed regions on Earth. However, several states in the western half of the U.S. are similarly experiencing extremely high levels of water stress from overuse. It is clear that even in countries with low overall water stress, individual communities may still be experiencing extremely stressed conditions. For example, South Africa and the United States rank #48 and #71, respectively, on WRI's list, yet the Western Cape (the state home to Cape Town) and New Mexico experience extremely high stress levels.

There are undeniably worrying trends in water quality. But by taking action now and investing in better management, we can solve water issues before it's too late.

Where Does My Water Come From?

KID buys 94 percent of the water delivered to our customers from the Jordan Valley Water Conservancy District (JVWCD), our wholesale water provider. Water sources include Jordanelle Reservoir, Deer Creek Reservoir, and local mountain springs and wells. The water is treated at the Jordan Valley Water Treatment Plant, Southeast Regional Water Treatment Plant, and Southwest Groundwater Treatment Plant. The remaining 6 percent of the water is delivered from 12 wells located in the Kearns area. KID staff operate and maintain these wells.

Substances That Could Be in Water

To ensure that tap water is safe to drink, the U.S. EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risk.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, in some cases radioactive material, and substances resulting from the presence of animals or from human activity. Substances that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, or wildlife;

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and may also come from gas stations, urban stormwater runoff, and septic systems;

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

For more information about contaminants and potential health effects, call the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791

Fixtures With Green Stains

A green or blue-green stain on kitchen or bathroom fixtures is caused by tiny amounts of copper that dissolve in your home's copper plumbing system when the water sits unused overnight. Copper staining may be the result of a leaky faucet or a faulty toilet flush valve, so be sure your plumbing is in good working order.

Copper stains may also be caused by overly hot tap water. Generally speaking, you should maintain your water temperature at a maximum of 120 degrees Fahrenheit. You should consult the owner's manual for your heater or check with your plumber to determine your current heat setting. Lowering your water temperature will reduce the staining problem and save you money on your energy bill.

Also keep in mind that a tap that is used often throughout the day usually will not produce copper stains, so if you flush the tap for a minute or so before using the water for cooking or drinking, copper levels will be reduced.

What's a Cross-Connection?

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

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

Community water supplies are continuously jeopardized by cross-connections unless appropriate valves, known as backflow prevention devices, are installed and maintained. We have surveyed industrial, commercial, and institutional facilities in the service area to make sure that potential cross-connections are identified and eliminated or protected by a backflow preventer. We also inspect and test backflow preventers to make sure that they provide maximum protection. For more information on backflow prevention, contact the Safe Drinking Water Hotline at (800) 426-4791.

What Are PFAS?

Per- and polyfluoroalkyl substances (PFAS) are a group of manufactured chemicals used worldwide since the 1950s to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water. During production and use, PFAS can migrate into the soil, water, and air. Most PFAS do not break down; they remain in the environment, ultimately finding their way into drinking water. Because of their widespread use and their persistence in the environment, PFAS are found all over the world at low levels. Some PFAS can build up in people and animals with repeated exposure over time.

The most commonly studied PFAS are perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS). PFOA and PFOS have been phased out of production and use in the United States, but other countries may still manufacture and use them.

Some products that may contain PFAS include:

- Some grease-resistant paper, fast food containers/wrappers, microwave popcorn bags, pizza boxes
- Nonstick cookware
- Stain-resistant coatings used on carpets, upholstery, and other fabrics
- Water-resistant clothing
- Personal care products (shampoo, dental floss) and cosmetics (nail polish, eye makeup)
- Cleaning products
- Paints, varnishes, and sealants

Even though recent efforts to remove PFAS have reduced the likelihood of exposure, some products may still contain them. If you have questions or concerns about products you use in your home, contact the Consumer Product Safety Commission at (800) 638-2772. For a more detailed discussion on PFAS, please visit http://bit.ly/3Z5AMm8.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule, and the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels.

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

Definitions

90th %ile: The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

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

cm-1: Ultraviolet absorbance (UVA) per centimeter (cm).

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

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

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

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

SMCL (Secondary Maximum Contaminant Level): These standards are developed to protect aesthetic qualities of drinking water and are not health based.

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

µmho/cm (micromhos per centimeter): A unit expressing the amount of electrical conductivity of a solution.

REGULATED SUBSTANCES

				Kearns Improvement District		Jordan Valley Water Conservancy District			
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	MCLG [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Alpha Emitters (pCi/L)	2019	15	0	0.08	-0.1–0.08	14.0[1]	NA	No	Erosion of natural deposits
Antimony (ppb)	2022	6	6	NA	NA	0.001	NA	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic (ppb)	2022	10	0	6.2	0.0005–6.2	3.7	NA	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	2022	2	2	0.066	0.061–0.066	0.15	NA	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beta/Photon Emitters (pCi/L)	2019	50[2]	0	3.2	2.7–3.2	32.0[1]	1.2–32.0[1]	No	Decay of natural and human-made deposits
Cadmium (ppb)	2022	5	5	NA	NA	0.0003	NA	No	Corrosion of galvanized pipes; erosion of natural deposits
Chlorine (ppm)	2022	[4]	[4]	0.88	0.05–0.88	1.3	0.02–1.3	No	Water additive used to control microbes
Chlorine Dioxide (ppb)	2022	[800]	[800]	NA	NA	0.4	NA	No	Water additive used to control microbes
Chlorite (ppm)	2022	1	0.8	NA	NA	0.1	NA	No	By-product of drinking water disinfection
Cyanide (ppb)	2022	200	200	0.004	0.002–0.004	3.0	NA	No	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Ethylbenzene (ppb)	2022	700	700	0.05	NA	NA	NA	No	Discharge from petroleum refineries
Fluoride (ppm)	2022	4	4	0.812	0.363–0.812	0.9	NA	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Haloacetic Acids [HAAs]–Stage 2 (ppb)	2022	60	NA	28.40	1.87–28.40	49.2	NA	No	By-product of drinking water disinfection
Nitrate (ppm)	2022	10	10	3.85	0.173–3.85	2.9	0.1–2.9	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite (ppm)	2021	1	1	NA	NA	1.0	NA	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium (ppb)	2022	50	50	3.4	0.5–3.4	8.1	NA	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium (ppb)	2022	2	0.5	NA	NA	1.1	NA	No	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
Total Organic Carbon (removal ratio)	2021	TT[3]	NA	NA	NA	2.1	NA	No	Naturally present in the environment
TTHMs [total trihalomethanes]–Stage 2 (ppb)	2022	80	NA	53.89	20.79–53.89	74.6	NA	No	By-product of drinking water disinfection
Turbidity[4] (NTU)	2022	TT	NA	0.15	0.09–0.15	0.7[1]	0.1–0.7[1]	No	Soil runoff
Turbidity (lowest monthly percent of samples meeting limit)	2020	TT = 95% of samples meet the limit	NA	NA	NA	100	NA	No	Soil runoff
Uranium (ppb)	2022	30	0	NA	NA	10.1	0.002–10.1	No	Erosion of natural deposits
Xylenes (ppm)	2022	10	10	0.0017	NA	NA	NA	No	Discharge from petroleum factories; discharge from chemical factories

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

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	MCLG	Kearns Improvement District: AMOUNT DETECTED (90TH %ILE)	Kearns Improvement District: SITES ABOVE AL/TOTAL SITES	Jordan Valley Water Conservancy District: AMOUNT DETECTED (90TH %ILE)	Jordan Valley Water Conservancy District: SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2022	1.3	1.3	0.198	0/30	0.31[5]	0/30[5]	No	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb)	2022	15	0	1.5	0/30	4.7[5]	1/30[5]	No	Corrosion of household plumbing systems; erosion of natural deposits

OTHER REGULATED SUBSTANCES

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	MCLG [MRDLG]	Kearns Improvement District: AMOUNT DETECTED	Kearns Improvement District: RANGE LOW-HIGH	Jordan Valley Water Conservancy District: AMOUNT DETECTED	Jordan Valley Water Conservancy District: RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloroform (ppb)	2022	NA	NA	40.4	5.9–40.4	28.0	NA	No	By-product of drinking water disinfection
Copper (ppb)	2022	NA	NA	NA	NA	125.0	NA	No	Erosion of naturally occurring deposits
Lead (ppb)	2022	NA	NA	NA	NA	1.0	NA	No	Erosion of naturally occurring deposits
Radium 226 (pCi/L)	2022	NA	NA	NA	NA	1.3	-0.5–1.3	No	Decay of natural and human-made deposits
Radium 228 (pCi/L)	2022	NA	NA	0.61	0.10–0.61	1.3	-0.3–1.3	No	Naturally occurring
Radon (pCi/L)	2021	NA	NA	NA	NA	10.1	0.001–10.1	No	Naturally occurring in soil
Total Dissolved Solids [TDS] (ppm)	2022	1,000	NA	684	192–684	652	88–652	No	Runoff/leaching from natural deposits
Turbidity [groundwater sources] (NTU)	2022	5.0	NA	NA	NA	0.7	0.01–0.7	No	Suspended material from soil runoff
Turbidity [surface water sources] (NTU)	2021	0.3	TT = 95% of samples meet the limit	NA	NA	0.1	0.01–0.1	No	Suspended material from soil runoff

SECONDARY SUBSTANCES

				Kearns Improvement District		Jordan Valley Water Conservancy District			
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	MCLG	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Aluminum (ppb)	2021	200	NA	NA	NA	17.7	NA	No	Erosion of natural deposits; residual from some surface water treatment processes
Chloride (ppm)	2022	250	NA	NA	NA	161.0	10.0–161.0	No	Runoff/leaching from natural deposits
Color (units)	2022	15	NA	NA	NA	10.0	0.1–10.0	No	Naturally occurring organic materials
Iron (ppb)	2022	300	NA	NA	NA	313.0	NA	No	Leaching from natural deposits; industrial wastes
Manganese (ppb)	2022	50	NA	NA	NA	34.0	NA	No	Leaching from natural deposits
pH (units)	2022	6.5-8.5	NA	NA	NA	8.7	6.7–8.4	No	Naturally occurring
Silver (ppb)	2020	100	NA	NA	NA	0.7	NA	No	Industrial discharges
Sulfate (ppm)	2022	250	NA	86.6	39.5–86.6	239.0[6]	5.4–239.0[6]	No	Runoff/leaching from natural deposits; industrial wastes
Zinc (ppm)	2022	5	NA	NA	NA	1.0	NA	No	Runoff/leaching from natural deposits; industrial wastes

UNREGULATED SUBSTANCES

		Kearns Improvement District		Jordan Valley Water Conservancy District		
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Bromodichloromethane (ppb)	2022	14.80	4.50–14.80	6.8	NA	Disinfection by-products
Bromoform (ppb)	2022	14.40	0.53–14.40	2.7[1]	NA[1]	Disinfection by-products
Dibromochloromethane (ppb)	2022	5.87	1.91–5.87	2.9	NA	Disinfection by-products
Nickel (ppb)	2022	NA	NA	3.7	NA	Naturally occurring
Sodium (ppm)	2022	57.8	13.0–57.8	74.2	8.0–74.2	Erosion of natural deposits

OTHER UNREGULATED SUBSTANCES

		Kearns Improvement District		Jordan Valley Water Conservancy District		
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
Alkalinity, Bicarbonate [HCO3] (ppm)	2022	NA	NA	225.0	50.7–225.0	Naturally occurring
Alkalinity, Carbonate (ppm)	2022	NA	NA	4.0	NA	Naturally occurring
Alkalinity, Total [as CaCO3] (ppm)	2022	NA	NA	225.0	26.0–225.0	Naturally occurring
Ammonia (ppm)	2018	NA	NA	0.3	NA	Runoff from fertilizer; naturally occurring
Boron (ppb)	2018	NA	NA	39.0	31.0–39.0	Erosion of naturally occurring deposits
Bromide (ppb)	2021	NA	NA	9.6	NA	Naturally occurring
Bromochloroacetic Acid (ppb)	2020	4.2	0.52–4.2	NA	NA	By-product of drinking water disinfection
Bromodichloroacetic Acid (ppb)	2020	3.3	0.83–3.3	NA	NA	By-product of drinking water disinfection
Calcium, Total (ppm)	2022	NA	NA	56.6	22.7–86.6	Erosion of naturally occurring deposits
Chloride (ppm)	2021	NA	NA	161.1	10.0–161.1	Erosion of naturally occurring deposits
Chlorodibromoacetic Acid (ppb)	2020	0.55	0.31–0.55	NA	NA	By-product of drinking water disinfection
Chromium, Total (ppb)	2021	NA	NA	12.6	NA	Discharge from steel and pulp mills; erosion of natural deposits
Conductivity (µmho/cm)	2022	NA	NA	1,100	12.6.0–1,100	Naturally occurring
Cyanide, Total (ppb)	2022	NA	NA	2.0	NA	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Dibromoacetic Acid (ppb)	2022	1.15	1.04–1.15	NA	NA	By-product of drinking water disinfection
Dichloroacetic Acid (ppb)	2022	12.7	1.87–12.7	NA	NA	By-product of drinking water disinfection
Dissolved Organic Carbon (ppm)	2022	NA	NA	2.3	1.6–2.3	Naturally occurring
Geosmin (ppt)	2022	NA	NA	12.3	NA	Naturally occurring organic compound associated with musty odor
Gross Alpha Particles (pCi/L)	2022	1.6	-0.9–1.6	7.2	0.5–7.2	Decay of natural and human-made deposits
Gross Beta Particles (pCi/L)	2022	9.4	2.6–9.4	11.0	0.9–11.0	Decay of natural and human-made deposits
HAA5 (ppb)	2021	NA	NA	39.0	NA	By-product of drinking water disinfection
HAA6Br (ppb)	2022	NA	NA	54.4	NA	By-product of drinking water disinfection
Hardness, Calcium (ppm)	2022	NA	NA	210.0	18.0–210.0	Erosion of naturally occurring deposits
Hardness, Total [as CaCO3] (ppm)	2022	NA	NA	381.0	75.6–381.0	Erosion of naturally occurring deposits
Magnesium (ppm)	2022	NA	NA	41.3	NA	Erosion of naturally occurring deposits
Manganese (ppb)	2020	12	0.47–12	34.0	NA	Naturally occurring
Molybdenum (ppb)	2021	NA	NA	3.0	NA	By-product of copper and tungsten mining
Orthophosphates (ppb)	2022	NA	NA	20.0	NA	Erosion of naturally occurring deposits
Potassium (ppm)	2022	NA	NA	10.9	NA	Erosion of naturally occurring deposits
Total Organic Carbon [TOC] (ppb)	2020	1,800	1,500–1,800	NA	NA	Naturally occurring
Total Organic Carbon [TOC] (ppm)	2022	NA	NA	3.0	NA	Naturally occurring
Total Suspended Solids [TSS] (ppm)	2022	NA	NA	4.0	NA	Erosion of naturally occurring deposits
Trichloroacetic Acid (ppb)	2022	12.0	4.84–12.0	NA	NA	By-product of drinking water disinfection
Turbidity (NTU)	2022	NA	NA	1.8	0.1–1.8	Suspended material from soil runoff
UV-254 (1/cm)	2022	NA	NA	0.04	0.01–0.04	Naturally occurring

[1] Sampled in 2020.
[2] The MCL for beta particles is 4 millirems per year. U.S. EPA considers 50 pCi/L to be the level of concern for beta particles.
[3] The value reported under Amount Detected for TOC is the lowest ratio of percentage of TOC actually removed to percentage of TOC required to be removed. A value of greater than 1 indicates that the water system is in compliance with TOC removal requirements. A value of less than 1 indicates a violation of the TOC removal requirements.
[4] Turbidity is a measure of the cloudiness of the water. It is monitored because it is a good indicator of the effectiveness of the filtration system.
[5] Sampled in 2019.
[6] Sampled in 2021.