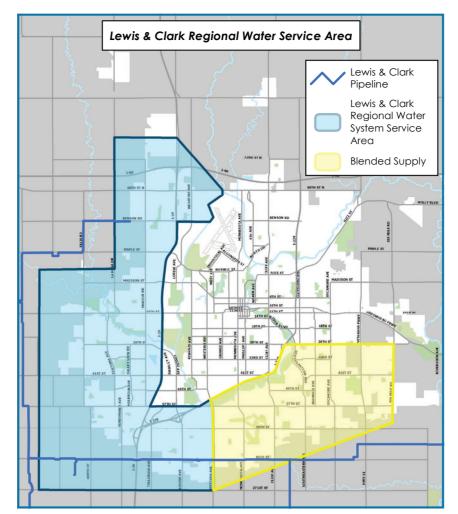
### CITY OF SIOUX FALLS 2022 WATER QUALITY DATA

INORGANIC CHEMIC	ALS									
PARAMETER (UNIT)	MCLG	MCL	LEVEL FOUND	)	RANGE	POSSIBLE SOURCE				
Arsenic (PPM)	0	0.010	0.0006			Erosion of natural deposits, orchards, glass, and electronics production wastes.				
Barium (PPM)	2	2	0.019			Erosion of natural deposits.				
Chromium (PPM)	0.100	0.100	0.01			Erosion of natural deposits.				
Fluoride (PPM)	< 4	4	0.57	0.	16-0.72	Additive to promote strong teeth.				
Nitrate (PPM)	10	10	0.74			Runoff from fertilizer use; erosion of natural deposits.				
LEAD AND COPPER (	LEAD AND COPPER (SAMPLES COLLECTED IN 2021)									
PARAMETER (UNIT)	MCLG ,	ACTION LEVE		VALUES THAN	NO. OF SITES ABOVE AL	POSSIBLE SOURCE OF SUBSTANCE				
Lead (PPB)	0	15	<	<1	0 out of 50	Corrosion of household plumbing systems.				
Copper (PPM)	1.3	1.3	0.	06	0 out of 50	Corrosion of household plumbing systems.				
DISINFECTANTS/DIS	INFECTIO									
PARAMETER (UNIT)		MRDLG	MCL L	EVEL FOU	ND RANGE	POSSIBLE SOURCE OF SUBSTANCE				
Total Chlorine (PPM)		4	4.0	2.84	2.60-3.07	Water additive used to control microbes.				
TTHMS (Total Trihalomethanes)	(PPB)	N/A	80	36.27	30-42.53	By-product of drinking water chlorination.				
HAA (Haloacetic Acids) (PPB)		N/A	60	11	9-13	By-product of drinking water chlorination.				
MICROBIOLOGICAL										
PARAMETER (UNIT)	MCL	G	MCL		MAXIMUM LEVEL FOUND	POSSIBLE SOURCE OF SUBSTANCE				
Total Coliform Bacteria (present/absence)	Present samp		6 or more of samples er month are positive		Present in 0.8% of samples in one month	Naturally present in the environment.				
Turbidity (NTU)	N/A	\ tr	Determined by eatment technology		100% of samples were within limits. Highest = 0.14	Soil runoff.				
<b>ORGANIC CARBON</b>										
PARAMETER (UNIT)	MCL	G MCI	. REMOV	AL RATIO	RANGE	POSSIBLE SOURCE OF SUBSTANCE				
Total Organic Carbon (PPM)	N/A	TT	1.7	73	1.27-2.32	Naturally present in the environment.				
RADIOLOGICAL										
PARAMETER (UNIT)	MCL	G MC	L LEVEL	FOUND	YEAR SAMPLED	POSSIBLE SOURCE OF SUBSTANCE				
Beta/Photon Emitters (pCi/l	L) O	50	4	.7	2022	Decay of natural and man-made deposits.				
UNREGULATED CHE	MICALS									

	UNREGULATED CHEMIC	ALS					
	PARAMETER (UNIT)	MCLG	MCL	LEVEL FOUND	YEAR SAMPLED	POSSIBLE SOURCE OF SUBSTANCE	
	Chloroform (PPB)	Unregu	lated	10.3	2022	By-product of drinking water chlorination.	
	Bromodichloromethane (PPB)	Unregu	lated	11.8	2022	By-product of drinking water chlorination.	
	Dibromochloromethane (PPB)	Unregu	lated	10.4	2022	By-product of drinking water chlorination.	
	Bromoform (PPB)	Unregu	lated	1.73	2022	By-product of drinking water chlorination.	
LEWIS & CLARK REGIONAL WATER SYSTEM WATER QUALITY DATA							
	PARAMETER (IINIT)	MCIG	МСІ	I FVFI FOUND	RANGE	POSSIBLE SOURCE OF SUBSTANCE	

PARAMETER (UNIT)	MCLG	MCL	LEVEL FOUND	RANGE	POSSIBLE SOURCE OF SUBSTANCE
Fluoride (PPM)	4	4	0.56	0.16-0.72	Additive to promote strong teeth.
Nitrate (PPM)	10	10	0.40		Runoff from fertilizer, leaching from septic tanks, sewage, and naturally present in the environment.

Additional water quality data from the City of Sioux Falls and the Lewis & Clark system may be found on the City's website at www.siouxfalls.org/water. No health-based drinking water quality violations were recorded in



### FINDING YOUR WATER QUALITY

This water quality report provides information for all water customers whose drinking water is provided by the Sioux Falls Water Division. Our water comes from two different sources: 1) the water plant owned and operated by the City and 2) water purchased from the Lewis and Clark Regional Water System. You can use the map shown above to determine where your water comes from and what water quality data applies to your drinking water.

### LEAD IN DRINKING WATER

Sioux Falls Water Division has been testing for lead and copper in accordance with the EPA's Lead and Copper Rule since 1992 and has consistently tested below the Action Level established in the rule.

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. The Sioux Falls Water Division utilizes pH adjustment of the treated water to minimize lead and copper levels. This process has shown to be effective by the continued low lead and copper levels at customers faucets we sample. It is still advised that 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. You may call the Water Quality Concern Line at 605-373-6950 to request a lead-in-water sampling kit. In addition, information on lead in drinking water, testing methods, and steps you take to minimize exposure is available from the Safe Drinking Water Hotline: 1-800-426-4791 or at www.epa.gov/safewater/lead.

### OUR RESULTS

Providing an average of 23.54 million gallons of water a day for use in homes, schools, hospitals, and businesses that meets all required water quality standards is the accomplishment of our expertly trained lab analysts and state-certified water treatment operators. Our commitment to exceptional water quality is reflected in the number of tests we perform during and after the treatment process. More than 170,000 analyses on more than 250 substances were conducted during 2022 to ensure reliable results and safe drinking water. This number far exceeds the minimum testing requirements. In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Even the highest levels detected were well below the required limits. We listed in this report only the substances that were detected.

#### **USEFUL** DRINKING WATER TERMS & DEFINITIONS

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

**BDL (Below Detection Level):** The substance could not be found at the minimum amount that can be reliably detected.

GPG (Grains Per Gallon): Unit of water hardness.

**MCL (Maximum Contaminant Level):** The highest amount of a substance 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 substance 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 contamination.

NA (Not Applicable): Data not available.

NTU (Nephelometric Turbidity Units): Cloudiness of the water.

pCi/L (Picocuries per Liter): A measure of radioactivity.

PPM (Parts Per Million): Also referred to as milligrams per liter.

PPB (Parts Per Billion): Also referred to as micrograms per liter.

PPT (Parts Per Trillion): Also referred to as nanograms per liter.

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

### ADDITIONAL PARAMETERS OF INTEREST

PARAMETER (UNITS)	SIOUX FALLS AVERAGE	LEWIS & CLARK AVERAGE
Alkalinity (PPM)	59	81
Chlorate (PPB)	<10	147
Chloride (PPM)	35	15
Hardness: Calcium Hardness (as CaCO3) (PPM)	129	96
Magnesium Hardness (as CaCo3) (PPM)	115	80
Total Hardness (as CaCO3) (PPM)	244	176
Water Softener Setting, total hardness (GPG)	14	10
Iron (PPM)	0.04	0.04
Manganese (PPM)	<0.05	<0.01
Perfluoroalkyl Substances (PFAS) (PPT)	<2	<2
pH (units)	8.4	8.6
Sodium (PPM)	26	84
Sulfate (PPM)	187	238



## DRINKING WATER AND YOUR HEALTH

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Primary Drinking Water Standards set inant Levels (MCLs) ies in ã In They include MCL: through

- Secondary Drinking Water Standards deal with reporting requirements ants that affect
- alth factors c qualities, such as taste and odor, consumer acceptance rather than odor, that

fe Drinking Water Hotline at 800-426-4791 Ith risk. More ding to the EPA, drinking water, including bottled ints of some contaminants. The presence does not necessarily indicate that wate ted to contain at least ants and ing the EPA's

# WHAT IF I HAVE SPECIAL HEALTH NEEDS?

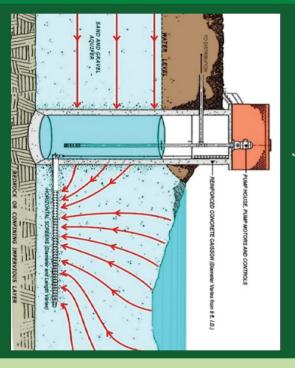
er under king water than the general populati rgone organ transplants, no-compromis people may be more vulnerable to contaminants in about drinking water from their h rly at risk from infections. The rs for Dis sen the risk of infe m disorders oing chemotherapy, people who ha ed persons such as those with ople with HIV/AIDS and infants can b Iould S or othe

### PROTECTING WATER

for contamination in and around these sources. The 1996 Amendments to the Safe Drinking Water Act required SDDANR to complete a report of this type for each public drinking water to our customers. You may view a copy of the report at the office of the SDDANR in Pierre. drinking water are moderately susceptible to contamination water supply in the state. Based on the findings of this report, the sources that the City of Sioux Falls utilizes for its Agriculture and Natural Resources (SDDANR) completed and the Middle Skunk Creek Aquifer to provide water for its residents. In late 2003, the South Dakota Department of The City utilizes the Big Sioux River, the Big Sioux Aquifer, and the Middle Skunk Creek Aquifer to provide water for contamination and has a long history of providing safe The City continually monitors its water sources for source water assessment to determine the potential

### OOKING TO THE

The City of Sioux Falls will begin construction on a new water collection well in 2023 which is the second new v instruction by the City in recent years. be provide the greatest amount of wa Sioux Falls co erant of any of the wells that provide water to This well is expected be new well



Sioux Falls, SD Permit No. 1148 0IA9 U.S. Postage PRSRT STD

> ental Protection Agency (EPA) issued drinking wa (PFOS). In July of that re well below the EPA health advisory be linked to adverse human health effects. ed individual source ted PFAS chem 2016, the Env ity proa

**ECRWSS** 

# COMPREHENSIVE WATER QUALITY

ng its drinking wate

began testi

2013, the City of Sioux Fall

These chemicals were widely used in manufacturing

r a group of chemicals called perfluoroalkyl

kware, tood packaging, clothing, carpeting,

ire products, firefighting foams, and other

ent for a long time without breaking down and m

nain in tr

environment, PFAS

from the presence of people and animals. Water from the river, wells, treatment plant, and taps throughout Sioux Falls is tested regularly to screen for these substances so steps can be taken before harmful levels occur. Samples are tested at the water plant lab, the city and state health lab, and several contract labs specializing in drinking water analysis. Substances that may be present are divided into five basic testing groups and include: Skunk Creek Aquifer (ground the Lewis and Clark Regional The City of Sioux Falls received rces (both tap water and bottled water) include rivers, es, streams, ponds, reservoirs, springs, and wells. All of these olves naturally occurring minerals and, in some cases, oactive material. It can also pick up substances resulting rces contain some naturally occurring substances. As wate els over the surface of the land or through the ground, it River (surface water its drinking water from the Big System. All drinking water and treated water from Aquifer, the Middle

icrobial contaminants (such as viruses estock operations, and wildlife e from sewage tre **nts** (such as viruses and bacteria) may atment plants, septic systems, agricultural

naturally or result from urban storm water runoff, sewage treatment plant discharges, oil and gas production, mining, or farming organic contaminants (such as salts and metals) may occur

Pesticides and herbicides may come from urban storm water

unoff, residential uses, and agriculture

**Organic chemical contaminants** (including synthetic and volatile organic chemicals) may be by-products of industrial and gas stations, petroleum production, urban storm water runoff, and septic

be naturally occurring mining activities. of oil and gas production and Radioactive contaminants may or the result

are listed on this water. Only those regulated contaminants that are detected and many other for more than 100 regulated The City of Sioux Falls tests ny other nonregulated nants in the drinking



PFAS are not prese ng wells of drinking water to ensure to yearly City Irce

where PFAS wei

ntinued the use

free and the purchas IN. All samples have been PFAS Regional V remains safe to const is and Additional

The City, along with Health Advisory Limits for PFAS ch and Nat to regulate a prop EPA and their partners <sup>-</sup>PA announced new

about PFAS are available at www.siouxfalls.org/wate Ъ to a Additional

605-373-6950 **QUESTIONS?** If you have any questions contact us for answers at about your water, please



Sioux Falls, SD 57177402 P.O. Box 7402 2100 North Minnesota Avenue Water Purification Plant

### POSTAL CUSTOMER \*\*\*\*\*\*\*ECKM22EDDW

ривыс мовка SIOUX FALLS



calo ó importante sobre su agua beber. Tradúz hable con alguien que lo entienda bien. Este informe contiene información muy