

STOREY COUNTY WATER DISTRICT

Consumer Confidence Report – 2019

Covering Calendar Year – 2018

This brochure is a snapshot of the water quality that we provided last year. Included are the details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are the best consumers. It is important that customers be aware of the efforts that are continually being made to improve their water systems. To learn more, please attend any of the regularly scheduled meetings. **For more information please contact John DuFresne or Blake Hiller at 775-847-0958.**

Your water comes from:

Source Name	Source Water Type
VCWTP RAW WATER LINE	Surface Water

We treat your water to remove chemical contaminants and add disinfectant to protect you against microbial contaminants. The Safe Drinking Water Act (SDWA) requires states to develop a Source Water Assessment (SWA) for each public water supply that treats and distributes raw source water in order to identify potential contamination sources. The state has completed an assessment of our source water. For results of the source water assessment, please contact us.

Message from EPA

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as those with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

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 and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water before we treat it include:

Microbial contaminants, such as viruses and bacteria, may come from wildlife, agricultural-livestock operations, sewage treatment plants, and septic systems, .

Inorganic contaminants, such as salts and metals, can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Pesticides and herbicides may come from a variety of sources such as storm water run-off, agriculture, and residential users.

Radioactive contaminants, can be naturally occurring or the result of mining activity

Organic contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, may also come from gas stations, urban storm water run-off, and septic systems.

In order to ensure that tap water is safe to drink, EPA prescribes regulation which limits the amount of certain contaminants in water provided by public water systems. We treat our water according to EPA's regulations. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Our water system tested a minimum of 2 samples per month in accordance with the Total Coliform Rule for microbiological contaminants. Coliform bacteria are usually harmless, but their presences in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public by newspaper, television or radio.

Water Quality Data

The tables following below list all of the drinking water contaminants that were detected during the 2018 calendar year. The presence of these contaminants does not necessarily indicate that the water poses a health risk. Unless noted, the data presented in this table is from testing done January 1- December 31, 2018. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old. **The bottom line is that the water that is provided to you is safe.**

Maximum Contaminant Level Goal (MCLG): the “Goal” is the level of a contaminant in drinking water below which there is no known or expected risk to human health. MCLG’s allow for a margin of safety.

Maximum Contaminant Level (MCL): the “Maximum Allowed” MCL is the highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLG’s as feasible using the best available treatment technology.

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

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

Maximum Residual Disinfectant Level (MRDL): 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.

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

Non-Detects (ND): laboratory analysis indicates that the constituent is not present.

Parts per Million (ppm) or milligrams per liter (mg/l)

Parts per Billion (ppb) or micrograms per liter (µg/l)

Picocuries per Liter (pCi/L): picocuries per liter is a measure of the radioactivity in water.

Millirems per Year (mrem/yr): measure of radiation absorbed by the body.

Million Fibers per Liter (MFL): million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU): nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

RAA: Running Annual Average.

SMCL: Secondary maximum contaminant levels. These are guidelines, not enforceable limits.

Testing Results for STOREY COUNTY WATER DISTRICT

Microbiological	Result	MCL	MCLG	Typical Source
No Detected Results were Found in the Calendar Year of 2018				

Disinfection By-Products	Monitoring Period	RAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2018	21	07-37	ppb	60	0	By-product of drinking water disinfection
TTHM	2018	17	05-31	ppb	80	0	By-product of drinking water chlorination

Lead and Copper	Date	90 TH Percentile	Unit	AL	Sites Over AL	Typical Source
COPPER	2011 - 2013	0.405	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
DALAPON	10/17/2016	0.11	0.11	ppb	200	200	Runoff from herbicide used on rights of way

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL	MCLG
ALUMINUM	10/15/2018	0	0-0.2	ppm	0.2	0
ARSENIC	10/15/2018	0	0-10	ppb	10	0
CARBON, TOTAL	10/15/2018	1.4	0-1.4	ppm	4	0
CHLORIDE	10/15/2018	2.6	2.6-8.8	mg/L	400	0
COLOR	10/15/2018	0	0	CU	15	0
IRON	10/15/2018	0	0-.6	ppm	.6	
MAGNESIUM	10/15/2018	1.3	1.1-1.3	mg/L	150	0
pH	10/15/2018	7.77	6.5-7.77	pH	8.5	7
SODIUM	10/15/2018	6.3	5.4-10	mg/L	200	20
TDS	10/15/2018	55	43-59	mg/L	1000	0

Health Information About Water Quality

Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Your water meets EPA's standard for Lead, but if present at elevated levels, this contaminant 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. Your Water System is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking 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>.

Violations

STOREY COUNTY WATER DISTRICT is required to include an explanation of the violation(s) in the table below and the steps taken to resolve the violation(s) with this report.

Type	Category	Analyte	Compliance Period
<p>Drinking Water Violation: Source Water Monitoring Type Code : 40 CFR 141.701 Violation Numbers : 141.702-141.706 Determination Dates : 5/7/18</p> <p>Monitoring Period : 1/1/18-12/31/18 Name : Begin & End Date :</p> <p>What happened? Source monitoring samples missed. Steps taken to prevent this from occurring in the future: We have made note in our sampling schedule to be aware of sampling dates that occur near the end of the month, and adjust accordingly.</p> <p>As these were failure to monitor violations and not exceedances, no known health effects are believed to have resulted due to the missed samples.</p>			

Items of Interest

Storey County Water System has completed improvements and continues to work towards additional improvements to both raw water and treated water delivery systems. Below is a short description of improvements and proposed future upgrades of the system that we are currently addressing.

This year at the Nevada Rural Water Conference Storey County won the best tasting water in Nevada for 2019!

We have completed the Virginia City Water Project Phase II (**Replacement of Main Water Pipeline between Five Mile Reservoir and Virginia City**) – This project consists of replacement and re-alignment of approximately three miles of vintage 1887 pipeline from Five Mile Reservoir to a point on the Ophir Grade, one mile southwest of Virginia City.

These are the projects still in the books:

- 1. Virginia City Water Project Phase I (Replacement of Finished Water Storage Tanks and Improvements to Water Distribution Lines on B Street and West Union Street)** – On July 23, 2015, Storey County filed an application with BLM to amend Right of Ways for the construction of an additional one-million gallon finished water storage tank and the replacement of approximately 7,250 feet of underground distribution main pipelines on B and Union streets. The grant amendment has been completed, signed off by Storey County and we are waiting final signatures from BLM. Cost estimates and project descriptions are being completed so that funding applications can be prepared and submitted to federal and state entities.

In order to help us serve you better we ask for your help in reporting water leaks, quality issues, and excessive usage beyond normal. This not only helps us improve the system and keeps your bill as low as possible. Thank You!