

FAWN LAKE MAINTENANCE COMMISSION ID 24713 WATER SYSTEM CONSUMER CONFIDENCE REPORT 2023

Dated: June 2024

WATER SYSTEM MANAGER'S STATEMENT (Tom Moore)

The Consumer Confidence Rule is a federal requirement created by Congress and the Environmental Protection Agency. As a result, the Fawn Lake Maintenance Commission is required to provide customers of the Water System with this report. Herein we will provide you with information about the system, the results of our compliance and water quality testing, the health effects of any contaminants found during this monitoring, and who to call in case of emergencies, loss of water service, water leaks, and with billing or water quality questions. Much of the language contained herein is mandated by the State and Federal regulations. We are reporting results for the monitoring performed during the 2023 calendar year.

ABOUT THE SYSTEM

The Maintenance Commission employs Tom Moore as the Certified Water System Manager (Watermaster). Tom performs required system sampling, water quality monitoring, reporting, and technical assistance, Bill Knight is on the Board of Trustees and is the liaison for the Water System. Neal Adams and Troy Henderson provide the daily monitoring and on-site operational duties. Tom, Bill, Neal and Troy work together to provide safe, good quality drinking water to the community and keep the system in compliance with State regulations and Federal Safe Drinking Water Act requirements.

The Fawn Lake community gets their water from three wells located in the vicinity of Bryant Hall; additionally, Well 4 is located on a property at the corner of Crescent Drive and Fuchsia Ave. Wells 3 and 4 require filtration to remove naturally occurring contaminants that exceed minimum standards for drinking water. Both wells have relatively new pump houses and filtration systems. There are two water storage tanks that provide equalizing storage on Alpine Ave. Also on Alpine is a booster pump station that provides additional pressure to homes located in the higher elevations of the system.

WHO DO I CALL WITH A PROBLEM?

To report a problem with your water service, billing statement or to report suspected leaks during regular office hours call 360-426-1657. **After hours emergency**, such as low or no water pressure or if you notice a water leak, please call **360-868-5503**. For technical information, water saving tips, or water quality concerns call Tom Moore at 360-426-9621.

ARE THERE CONTAMINATES IN MY WATER?

Drinking water, including bottled water, may reasonably be expected to contain at least some small amounts of minerals, organics, or chemicals, called contaminants. **The presence of contaminants does not necessarily indicate that the water poses a health risk.** In fact, if you read the label on some bottled water products you will find that after filtration, contaminants are added to improve taste.

Some people are more vulnerable to contaminants than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have 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 the advice of their health care provider about drinking water. EPA/CDC guidelines on appropriate means to lessen the risk and more information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

AC PIPE

The Fawn Lake water system has a significant amount of old asbestos/concrete (AC) pipe that was used extensively in the 60's and 70's. It has served the system well for the past 50 plus years and should continue to do so but it is fragile and nearing the end of its projected service life. The system is required to periodically monitor for asbestos fibers in the water as a result of this type of A/C pipe being used in this water system. The last asbestos monitoring was done in August 2021. Its presence would likely result in the replacement of this AC pipe. Fortunately, the results were negative. (See the numbers below). In addition, more significant water leaks are likely to occur as the pipe continues to age which in turn increases the annual operating costs. As those water leaks increase and our water loss starts to consistently exceed 10% of our total production, our hand may be forced by the State regulators.

Results 0.16 MFL (million fibers per liter), Maximum allowed 7.0 MFL Detection level 2.0MF

115	ASBESTOS	LT Less Than	0.1600	7.0000	0.2000	MFL
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As you can see the results of 0.16 from the August asbestos monitoring is well below the 7.0 million fibers per liter allowed in drinking water. Since the results are even below the minimum detection level required by DOH there is really nothing there.

WATER QUALITY DATA

During 2023, 24 routine bacteriological samples were tested, taken from various points throughout the system in accordance

with our Coliform Monitoring Plan. All bacterial sampling throughout the 2023 calendar year had satisfactory results.

Fawn Lake also sampled all the wells for nitrates according to the respective monitoring schedules. We tested the distribution system for compounds that sometimes form as a byproduct of disinfection. (adding chlorine to water). Here again nothing exceeded federal and state maximum contaminate levels, not even close.

Disinfection By-Products TTHM and HAA5

For 2023, all HAA5 and TTHM monitoring were at or below the reporting limits and were non-detectable.

Well 1 Chemical Monitoring Herbicides

This year as part of our sampling waiver agreement we were required to test for herbicides. The result panel indicated that all herbicides tested for were non-detectable

PFAS Results

Well 1- While none of the sample tested exceeded any established limits, there was a detection that required resampling. Subsequent resampling result put Fawn Lake on a once every three-year sampling schedule.

42 9	(PFBS) PFbutane sulfonic acid	EQ Equal To	2.7000		2.0000	ng/L Nanograms per Liter
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Re-sample results

Analyte	Range	Result	Reporting limit.	Units
42 9	(PFBS) PFbutane sulfonic acid	EQ Equal To	2.9000	2.0000

Inorganic Chemical monitoring

There were no IOC violations at Well 1

Analyte	Range	Result	MCL	Reporting limit	units
20	NITRATE-N	EQ Equal To	2.5500	10.0000	0.5000 mg/L Milligrams per Liter
16 1	TOTAL NITRATE/NITRITE	EQ Equal To	2.5500		0.5000 mg/L Milligrams per Liter
4	ARSENIC	LT Less Than	0.0010	0.0104	0.0010 mg/L Milligrams per Liter

Well 2 Monitoring

PFAS results sampled on 06/20/2023

42 9	(PFBS) PFbutane sulfonic acid	EQ Equal To	4.6000		2.0000	ng/L Nanograms per Liter
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434	(PFOA) PFOctanoic acid	EQ Equal To	2.2000		2.0000	ng/L Nanograms per Liter
429	(PFBS) PFbutane sulfonic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
430	(PFHpA) PFheptanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter

It's a very sensitive analysis detecting nanogram/liter. This result reduced monitoring from quarterly to once every three years.

- Nitrate result for Well 2 was 3.46 mg/l. The maximum allowed is 10.0 mg/l

Well 3 Monitoring

- PFAS on 06/20/2024 - This well sample did not detect any PFAS contaminants
- Nitrate at Well 3 result was 0.2 mg/l the limit is 10.0 mg/l

Well 4 Monitoring

- PFAS Sampling on 06/20/2024 - No PFAS contaminants were detected.
- Nitrate results were 0.2 mg/l the limit is 10.0 mg/l

Arsenic Statement

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. 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.

In this report I have just reported detections. You can find complete results of all of Fawn Lake's test results on the State's DOH website by following directions to the Sentry Internet Portal. Enter the Fawn Lake ID number (247131) to get to the water system's reported results.

A WORD ON CONSERVATION

We all know how important drinking water is. This is especially evident during interruptions of service that occur due to maintenance or repair of the system. While these interruptions are only a minor inconvenience, remember they are minor only because we know service will resume and most uses of drinking water can be delayed for short periods. Should service be interrupted for an extensive period, having to obtain an alternate source of water could easily become the most important function of your day. Help protect this precious resource by being smart about your water use and fix any leaks that might occur promptly.

Water Use Efficiency

Fawn Lake has water service meters and regular readings are taken to gather the information necessary for the annual reporting requirements. These rules require the water system to identify the amount of water leaking from the pipes underground and develop a plan to reduce this unaccounted for water. Our goal is to reduce unaccounted for water to below 10% of production. History tells us we use about 24 million gallons a year. If we are losing ten percent of that in leaks, that's 2.4 million gallons! It means bills for electricity and chemicals are 10% higher than they have to be. In 2022 new metering heads were installed along with new software. Converting has been challenging for staff as we try to meet our conservation goals of less than 10% water loss. We need your help. If you see water running on the ground, boiling up along the shoulder of the road, or even a spot in or near the road that never dries up, please contact us immediately. If you have a leak on your side of the meter or a running toilet, don't wait, get it fixed. Again, use your water wisely and abide by all restrictions placed to conserve water and reduce demands on the system this summer.

During the 2023 reporting year Fawn Lake used 25,862,020 gallons of water and metered 25,0569,910 gallons used by customers. This is a significant increase over the past few years. Please conserve water. We can't live without it.