

FAWN LAKE MAINTENANCE COMMISSION ID 24713 WATER SYSTEM CONSUMER CONFIDENCE REPORT 2024

Dated: June 2025

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 2024 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, quality drinking water to the community and keep the system in compliance with State regulations and the 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 from the latest sampling). 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. At that point, our hand may be forced by the State regulators. Fawn Lake has implemented a plan to replace the AC pipe

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 2024, 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 2024 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 2024, all HAA5 and TTHM monitoring were at or below the reporting limits and were non detectable

Lead Copper Monitoring

Fawn Lake conducted 10 lead and copper examinations throughout the community in 2024. These are done to get an idea of the corrosiveness of our water and to get an idea of the level of exposure to residents. Fawn Lake also conducted a lead service line inventory. No lead pipes were found. If you know or suspect you have a lead service line, please, you must report it to the office.

Lead/Copper Sampling Results

LEAD	COPPER
0.0010	0.4110
0.0050	0.1900
0.0015	0.0830
0.0096	2.0090
0.0010	0.0770
0.0770	0.0010
0.0610	0.0015
0.0490	0.0012
0.0880	0.0010
0.1720	0.0010

Well 1 Chemical Monitoring

Nitrate result = 2.30 mg/L Maximum contaminate level (MCL) is 10 mg/L

**RAD-Radionuclides Result: Gross Alpha=3.000 pC/L, Radium 228=1.000 pC/L
These results do not exceed the minimum reporting level which is the lowest level detectable.**

Well 2 Chemical Monitoring
Nitrate result = 3.61 mg/L

PFAS results sampling

PFAS RESULTS from sampling on 01/09/2024

429	(PFBS) PFbutane sulfonic acid	EQ Equal To	4.7700		2.0000	ng/L Nanograms per Liter
434	(PFOA) PFOctanoic acid	EQ Equal To	2.2400		2.0000	ng/L Nanograms per Liter
430	(PFHpA) PFheptanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
431	(PFHxS) PFhexane sulfonic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
432	(PFNA) PFnonanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
433	(PFOS) PFOctane sulfonic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
435	(PFHxA) PFhexanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
436	(PFDA) PFdecanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
437	(PFUnA) PFundecanoic acid	LT	2.0000		2.0000	ng/L

		Less Than				Nanograms per Liter
438	(PFDoA) PFdodecanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
439	(PFTrDA) PFtridecanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
440	(PFTA) PFtetradecanoic acid	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
441	(NEtFOSAA) N-Ethylpftoctane SAA	LT Less Than	3.0000		3.0000	ng/L Nanograms per Liter
442	(NMeFOSAA) N-Methylpftoctane SAA	LT Less Than	3.0000		3.0000	ng/L Nanograms per Liter
445	(ADONA) 4,8-Dioxa-3H-perfluorononan	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
446	(9CI-PF3ONS) 9-Chlorohexadecafluor	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
447	(HFPO-DA) Hexafluoropropylene oxide	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter
448	(11CI-PF3OUdS) 11-Chloroeicosafluor	LT Less Than	2.0000		2.0000	ng/L Nanograms per Liter

Well 3 Monitoring

Nitrate at Well 3 result was 0.58 mg/L the limit is 10.0 mg/L

Well 4 Monitoring

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 2024 reporting year Fawn Lake used 22,260,980 gallons of water and metered 20,113,207 gallons used by customers. Our water loss this past year was 2147773. That is 9.6% % of all water pumped. This water that is unaccounted for is pumped treated and filtered, adding nearly 10% to cost of our water production. Please conserve water. We can't live without it.