

**SPRINGWATER GARDENS CONDOMINIUMS WATER SYSTEM  
DRINKING WATER CONSUMER CONFIDENCE REPORT  
For 2021 (Prepared 2022)**

**Introduction**

The Springwater Gardens Water System has prepared the following report to provide information to you, the consumer, on the quality of our drinking water. Included within this report is general health information, water quality test results, how to participate in decisions concerning your drinking water and water system contacts.

**Source Water Information**

The Springwater Gardens Water System receives its drinking water from two wells located on the premises. Springwater Gardens Condominiums has recently completed major updates to its water system. The new system design has centralized the water system and implemented filtration for the removal of manganese, and continuous chlorination for disinfectant. These improvements bring the system into compliance with EPA standards. In 2021 Springwater Gardens had an unconditioned license to operate our water system.

The aquifer that supplies drinking water to Springwater Gardens Condominiums has a low susceptibility to contamination because of: 1) the presence of a relatively thick protective layer of shale overlying the aquifer, 2) the significant depth (over 35 feet below ground surface) of the aquifer, and 3) no evidence to suggest that ground water has been impacted by any significant levels of chemical contaminants from human activities. This means that under currently existing conditions, the likelihood of the aquifer becoming contaminated is low. This likelihood can be minimized by implementing appropriate protective measures. Copies of the source water assessment report prepared for Springwater Gardens Condominiums are available by contacting Brandon Mantel at 330-896-4949 or email [brandon@donamarc.com](mailto:brandon@donamarc.com).

**What are sources of contamination to drinking water?**

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 include: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; (B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; (C) Pesticides and herbicides, which may come from a variety of

sources such as agriculture, urban storm water runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; (E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA 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 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 Federal Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

### **Who needs to take special precautions?**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised 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 can be particularly at risk from infection. 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 (1-800-426-4791).

### **About your drinking water.**

The EPA requires regular sampling to ensure drinking water safety. The Springwater Gardens Water System conducted sampling for bacteria; inorganic; radiological; lead; copper; synthetic organic; volatile organic contaminant sampling during the prior and current 2021 years. Samples were collected for many different contaminants most of which were not detected in the Springwater Gardens Water System water supply. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, are more than one year old.

### **Lead Educational Information**

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. Springwater Gardens 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 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 at <http://www.epa.gov/safewater/lead>.

Listed below is information on those contaminants that were found in the Springwater Gardens Water System drinking water.

**TABLE OF DETECTED CONTAMINANTS**

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
<b>Inorganic Contaminants</b>							
Barium	2mg/l	2mg/l	0.041mg/l	N/A	NO	2019	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride	4mg/l	4mg/l	0.808mg/l	N/A	NO	2019	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
<b>Residual Disinfectants</b>							
Total Chlorine	MRDLG = 4.0mg/l	MRDL = 4.0mg/l	1.2mg/l	0.5-1.87mg/l	NO	2021	Water additive used to control microbes.
<b>Disinfectant Byproducts</b>							
TTHM's	NA	80ug/l	6.0ug/l	5.9ug/l	NO	2021	Byproduct of drinking water chlorination
<b>Lead and Copper</b>							
Contaminants (units)	Action Level (AL)	Individual Results over the AL	90% of test levels were less than	Violation	Year Sampled	Typical source of Contaminants	
Copper (ppm)	1.3 ppm	None	0.26mg/l	NO	2021	Corrosion of household plumbing systems.	
	0 out of 5 samples were found to have copper levels in excess of the copper action level of 1.3 ppm.						
Contaminants (units)	Action Level (AL)	Individual Results over the AL	90% of test levels were less than	Violation	Year Sampled	Typical source of Contaminants	
Lead (ppb)	15 ppb	None	< 2.0ug/l	NO	2021	Corrosion of household plumbing systems; Erosion of natural deposits	
	0 out of 5 samples were found to have lead levels in excess of the lead action level of 15 ppb.						

**How do I participate in decisions concerning my drinking water?**

Public participation and comments are encouraged by contacting Brandon Mantel from Donamarc Water Systems Co at 330-896-4949 or email brandon@donamarc.com.

For more information on your drinking water contact Brandon Mantel at 330-896-4949 or 800-532-3330.

### **Definitions of some terms contained within this report.**

- Maximum Contaminant Level Goal (MCLG): 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.
- Maximum Contaminant level (MCL): The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
- Contact Time (CT) means the mathematical product of a “residual disinfectant concentration” (C), which is determined before or at the first customer, and the corresponding “disinfectant contact time” (T).
- Level 1 Assessment is a study of the water system to identify the potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
- Level 2 Assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
- Parts per Million (ppm) or Milligrams per Liter (mg/L) are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days.
- Parts per Billion (ppb) or Micrograms per Liter ( $\mu\text{g/L}$ ) are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.
- The “<” symbol: A symbol which means less than. A result of <5 means that the lowest level that could be detected was 5 and the contaminant in that sample was not detected.
- Picocuries per liter (pCi/L): A common measure of radioactivity.
- NA: not applicable