

Crimm Road Water System
Drinking Water Consumer Confidence Report
For 2020

The Harrison County Water/Sewer District 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.

The Crimm Road Water System receives its drinking water from treated groundwater purchased from the Village of Scio. The Village uses two wells that produce approximately 100,000 gallons of water a day.

Susceptibility Analysis

This assessment indicates that the Village of Scio's source of drinking water has a moderate susceptibility to contamination due to: the presence of a moderately thick protective layer of clay/shale overlaying the aquifer, no evidence to suggest that ground water has been impacted by any significant levels of chemical contaminants from human activities, and the presence of numerous potential contaminant sources in the protection area. This susceptibility means that under current existing conditions, the likelihood of the aquifer becoming contaminated is moderate. This likelihood can be minimized by implementing appropriate protective measures. This susceptibility analysis is subject to revision if new potential contamination sources are sited within the protection area, or if water sampling indicates contamination by a manmade source. For further assistance on drinking water source protection, please contact the Ohio EPA Southeast District Office at (1-800-686-7330) or visit the Ohio EPA Source Water Assessment and Protection Web page at <http://www.wapp.epa.ohio.gov/gis/swpa/OH3400612.pdf>.

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 Crimm Road Water System conducted sampling for bacteria, disinfection byproducts, copper and lead during 2019. Samples were collected for other contaminants most of which were not detected in the Crimm Road 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.

TABLE OF DETECTED CONTAMINANTS

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detection s	Violatio n	Sample Year	Typical Source of Contaminants
Radioactive Contaminants							
Alpha emitters (pCi/L)	0	15	6.07	NA	No	2018	Erosion of natural deposits
Radium	0	5	2.14	NA	No	2018	Erosion of natural deposits
Inorganic Contaminants							
Barium(ppm)	2	2	0.799	NA	No	2018	Discharge of drilling wastes
Fluoride(ppm)	4	4	0.334	NA	No	2018	Erosion of natural deposits

Nitrate(measure as Nitrogen) (ppm)	10	10	0.1	NA	No	2018	Runoff from fertilizer use leaching from septic tanks, sewage, Erosion of natural deposits
Selenium(ppb)	50	50	5.7	NA	No	2018	Discharge from petroleum and metal refineries
Synthetic organic contaminants							
Atrazine (ppb)	3	3	0.3	NA	No	2018	Runoff from herbicide used on row crops
Simazine (ppb)	4	4	0.35	NA	No	2018	Herbicide runoff
Residual Disinfectants							
Total Chlorine(ppm)	4	4	1.1	0.8-1.64	No	2020	Water additive used to control microbes
Haloacetic Acids (HAA5) (ppm)	NA	60	15.0	15.0	No	2020	By-product of drinking water chlorination
TTHMs(ppb)	NA	80	45.9	45.9	No	2020	By-product of drinking water chlorination
Lead and Copper							
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	0	1.9	No	2020	Corrosion of household plumbing systems	
	0 out of _5_ samples were found to have lead levels in excess of the lead action level of 15 ppb.						
Copper (ppm)	1.3 ppm	0	0.47	No	2020	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.						

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. Crimm Road 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>.

Revised Total Coliform Rule (RTCR) information

All water systems were required to begin compliance with a new rule, the revised total coliform rule, on April 1, 2016. The new rule maintains the purpose to protect public health by ensuring the integrity of the drinking water distribution system and monitoring for the presence of total coliform bacteria, which includes E. coli bacteria. The U.S. EPA anticipates greater public health protection under the new rule, as it requires water systems that are vulnerable to microbial contamination to identify and fix problems. As a result, under the new rule there is no longer a maximum contaminant level violation for multiple total coliform detections. Instead, the new rule requires water systems that exceed a specified frequency of total coliform occurrences to conduct an assessment to determine if any significant deficiencies exist. If found, these must be corrected by the PWS.

In 2020 we had an unconditioned license to operate our water system.

Contact Information

Public participation and comment are encouraged at regular meetings of the Harrison County Water Board which meets the first Tuesday of each month. For more information on your drinking water contact Steve Rocknich at 740-942-0411 or 740-491-0183

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.
- 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 (µg/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.