Richland Township Municipal Authority 2012 Kramer Road Gibsonia PA 15044

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Websites for more information www.epa.gov/safewater/ www.depweb.state.pa.us/watersupply www.achd.net/pdw/pdw.html

Board meetings are held the second Monday of the month at 6:00 p.m. at the Authority office on Kramer Road. Customers are encouraged to attend and participate in these meetings.

Current Board members are:

Chairman-M. Funk

Vice Chairman—B. Dorsch

Secretary—G. Anderson

Treasurer-N. Baldauf

If you have any questions about this report or about the Richland Water Authority, please contact April Shepard at 724-443-9100 or office@richlandwaterauthority.com

PLEASE HELP US TO SERVE YOU BETTER

Reminder—West View uses chloramines as disinfectants seasonally. More information is available on the Authority's website

Contact Information—Please keep your telephone contact information up to date. We have an automated dialing system for notifying you of water emergencies, but it only works if we have accurate telephone numbers. If you discontinue your land line or make other changes, please let us know.

Water Leaks—Contact the Authority if you suspect a water leak in your area. Also, let us know if your water meter is leaking, ticking, or not working properly. We encourage all residents to report suspicious activity at or around Authority owned property.

Water Break Liability—Check your homeowner's policy to see if you have a plan that provides coverage when a water line break causes damage to your property. Letters were sent to all customers during the year regarding liability when main water lines break. Please contact the office if you would like another copy of the letter.

April 2022

RICHLAND TOWNSHIP MUNICIPAL AUTHORITY WATER QUALITY REPORT

PWS ID #5020018 2022 Calendar Year Data

www.richlandwaterauthority.com

Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo o hable con alguien que lo entienda bien.

VULNERABLE POPULATION

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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 infections. These people should seek advice about drinking water from their health care providers. EPA /Center for Disease Control (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 at 800-426-4791.

ANNUAL UPDATE

The Authority is pleased to provide you with its annual Water Quality Report based on 2021 calendar year data. We want our customers to be informed about the water and services we have delivered to you over the last year. The Authority's goal is to provide its customers with a dependable supply of drinking water, and our drinking water meets or exceeds Federal and State standards. Richland Water purchases water from West View Water Authority. West View's source water is surface water taken from an intake structure on the Ohio River. West View treats the water and adds chlorine or chloramines to kill bacteria, uses UV Disinfection to inactivate harmful pathogens, adds fluoride to aid in the prevention of tooth decay and uses sodium hydroxide to pH stabilize the water. More information on how West View treats the water is available in West View's Water Quality Report at www.westviewwater.org.

DRINKING WATER FACTS

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 and 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:

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

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.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

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.

Radioactive contaminants, which can be naturally occurring or be the results of oil and gas production and mining activities.

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

MONITORING

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.

LEAD IN DRINKING WATER

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. Richland Water is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been setting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the 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 www.epa.gov/safewater/lead.

WATER QUALITY DATA

The table on the facing page lists all the drinking water contaminants that were detected during the 2021 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1 to December 31, 2021. The state requires us to monitor for certain contaminants less than once a 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. Richland Water samples for bacteria, chlorine, copper, halo acetic acids, lead and trihalomethanes. Other sampling is performed by West View Water. Definitions are included to help you understand the terms and abbreviations used in the table.

DEFINITIONS

<u>Maximum Contaminant Level(MCL)</u>— the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as feasible using the best available treatment technology.

<u>Maximum Contaminant Level Goal(MCLG)</u>— 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.

<u>Maximum Residual Disinfectant Level(MRDL)</u>— 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.

<u>Maximum Residual Level Goal(MRDLG)</u>— the level of drinking water disinfectant below which there is no known or expected health risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

<u>MinRDL(MinRDL)</u>— the minimum level of residual disinfectant required at the entry point to the distribution system.

<u>Treatment Technique(TT)</u>— a treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

<u>Action Level(AL)</u>— the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ppm-parts per million

ppb-parts per billion

n/a-not applicable

NTU(Nephelometric turbidity unit)—measure of the clarity of water

Inorganic Contaminants (unit of measurement)	Date Tested	MCL	MCLG	Level Detected	Violation	Typical Sou	irce of Contaminant
Barium Neville Island Barium Baden (ppm)	2/02/21 2/02/21	2 2	2 2	0.034 0.035		discharge of drill natural deposits	ing wastes; erosion of
Fluoride Neville Island Fluoride Baden WTP (ppm)	2/02/21 2/02/21	2 2	2 2	0.533 0.567			ertilizer and aluminum additive for dental health
Nitrate Neville Island Nitrate Baden WTP (ppm)	2/25/21 2/08/21	10 10	10 10	1.06 0.89		runoff from fertil erosion of natura	izer use; septic leaching ; l deposits
Nitrite Neville Island Nitrate Baden WTP	2/25/21 2/08/21	1 1	1 1	<0.100 <0.100		runoff from fertil erosion of natura	izer use; septic leaching; l deposits
Contaminant	Date Fested	Jnit MCI	L MCLG	Highest Detect	Lowest Percentage	Date Vio	olation Source
		NTU TT* NTU TT*		0.070 0.062	99.97% 100%		NO soil runoff NO soil runoff
Contaminant	Date Tested	Unit	%Rem	oval Required	%Remov Achieved		m # Quarters out of compliance
Total Organic Carbo Neville Island	on 2021	% Remove		25-35%	35-55%	NO NO	0**
Total Organic Carbo Baden WTP	on 2021	70 Nemove		25–35%	53-72%		0**
Contaminant	Date Tes	sted	MCL	MCLG p	Highest # of ositive sample		Source
Total coliform bacteria	Year 20		of monthly les positive	0	0	NO r	naturally present in the environment
Disinfectants— Distribution system	Date Tested N	MRDL MF	•	nest Monthly Average	Range of Mont Averages	thly Violation	n Source
Chlorine(ppm)	Year 2021	4	4	1.52	0.76-1.52	YES	water additive used to control microbes
Lead & Copper Dat	e Tested	Action level	MCLG	90th	Range	Violation	Source
Copper(ppm) Jun	ie 2019	1.3	1.3	0.095	No homes exceed AL	NO	corrosion of house plumbing systems
Lead (ppb) Jun	ie 2019	.015	0	.0020	No homes exceed AL	NO	corrosion of house plumbing systems
Disinfection Byproducts	Year Tested	d MCL	MCLG	Highest Runni Average	ng Range	Violation	Source
Haloacetic acids(HAA) (ppb)	Year 2021	60	n/a	14.33	9.81-14.3	33 YES	byproduct of drinking water disinfection

TABLE NOTES

VIOLATION—The Authority incurred a monitoring violation in November 2021 for collecting the samples for both HAA and TTHM's one day prior to the sampling date. Sampling results were still within monitoring range.

West View Water - Neville plant serves the Richland Water Authority system.

VIOLATION – The Authority incurred a violation for Chlorine sampling in June 2021. This was a result of a reporting error from the contracted lab for the Authority. The sample was taken and was within reporting range.