Annual Drinking Water Quality Report
POSEY TOWNSHIP WATER CORPORATION
PWS ID #5288006

Dear Customer:

Please find enclosed this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. Our water sources are drilled wells located south of Hardinsburg and a connection to Patoka Lake Regional Water & Sewer District south of Paoli on S.R. 37 and another connection on Valeene Road.

We are pleased to report that our drinking water meets federal and state requirements. The 2021 testing included monthly bacteriological tests (4 collected monthly), of which none tested positive for Total Coliform. During 2021 testing was required for Trihalomethanes (TTHM), and Haloacetic Acid (HAA5), Nitrate and Radioactive Contaminants. Lead & Copper testing was also conducted in 2019. We had no MCL, LRAA Violations of Haloacetic Acids (HAA5.) If you have any questions about this report or concerning your water utility, please feel free to contact our General Manger, Jody Wiseman. Board Meetings are held monthly on the 3rd Monday evening of each Month at 7:00 p.m., local time, at our office in Hardinsburg.

Posey Township Water Corporation routinely monitors for constituents in your drinking water according to Federal and State laws. This report shows the results of our monitoring for the period of January 1st to December 31st, 2021. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

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 infections. These people should seek advice about drinking water from their health care providers. EPA and 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.

The sources of drinking water (both tap water and bottled water) include river, 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:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems ,agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm 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, storm water runoff, and residential uses.
- Organic chemicals, 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 materials, which can be naturally-occurring or be the result of oil and gas production and mining activities.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women or young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We 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 at http://www.epa.gov/safewater/lead or the Safe Drinking Water Hotline.

In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottles 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (800)426-4791.

Also included in this mailing are Water Quality Results from Patoka Lake Regional Water & Sewer District as nearly all of the water supplied is now from the Patoka Lake R.W.S.D. source.

We at Posey Township Water Corporation work to provide quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Thank you for your continued understanding.

POSEY TOWNSHIP WATER CORPORATION
CONSUMER CONFIDENCE REPORT
JULY 2022
REPORTING TEST RESULTS FOR 2021
SAMPLES COLLECTED FROM WELL FIELD CONTROL BUILDING
SOURCE: GROUND/WELL WATER

Definitions:

IDEM = Indiana Department of Environmental Management
EPA = Environmental Protection Agency
< = Less than the number shown to the left
MCL = Maximum Contaminant Level-The highest level of a contaminant that is allowed in drinking water. MCL's are set as close as possible to MCLG's as feasible using the best available treatment technology.
MCLG = Maximum Contaminant Level Goal - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.
DL = Detectable Limit
ppm = parts per million or milligrams per liter
AL = Action Level - The concentration of a contaminant, which, if exceeded, trigger treatment or other requirements that water systems must follow.
U.C. = Unregulated Contaminates
ug/L = Parts per billion

VOLATILE ORGANIC CONTAMINANTS - 2020

	MCL ug/L	Result ug/L
REGULATED		
Benzene	5	BDL
Carbon Tetrachloride	5	BDL
Chlorobenzene	100	BDL
1,2-Dichlorobenzene	600	BDL
1,4-Dichlorobenzene	75	BDL
1,2-Dichloroethane	5	BDL
1,1-Dichloroethylene	7	BDL
1,2-Dichloroethylene,cis	70	BDL
1,2-Dischloroethylene, tr	100	BDL
Dichloromethane	5	BDL
1,2-Dichloropropane	5	BDL
Ethylbenze	700	BDL
Styrene	100	BDL
Tetrachloroethylene	5	BDL
Toluene	1000	BDL
1,2,4-Trichlorobenzene	70	BDL
1,1,1-Trichloroethane	200	BDL
1,1,2-Trichloroethane	5	BDL
Trichloroethylene	5	BDL
Vinyl Chloride	2	BDL
Total Xylenes	10000	

	DL ug/L	Result ug/L
UNREGULATED		
Bromobenzene	0.5	BDL
Bromomethane	0.5	BDL
Chloroethane	0.5	BDL
Chloromethane	0.5	BDL
2-Chlorotoluene	0.5	BDL
4-Chlorotoluene	0.5	BDL
1,3-Dichlorobenzene	0.5	BDL
2,2-Dichloropropane	0.5	BDL
1,1-Dichloropropylene	0.5	BDL
1,3-Dichloropropylenecis&tr	0.5	BDL
1,1,1,2-Tetrachloroethane	0.5	BDL
1,1,2,2,-Tetrachloroethane	0.5	BDL
1,2,3-Trichloropropane	0.5	BDL
Dibromomethane	0.5	BDL
Bromodichloromethane	0.5	2.7
Bromoform	0.5	BDL
Dibromochloromethane	0.5	1.4
Chloroform	0.5	1.5
Methy-Tert-Butyl Ether	0.5	BDL

2020	Result (mg/L	MCL (mg/L)
Nitrate	<0.1	10.0
Cyanide	<0.02	0.2

2021	MCLG	(AL)	90TH PERC.	UNITS
Copper	1.3	1.3	1.097	ppm
Lead	0	15	4.7	ppb

Disinfection Process Byproducts

2021	UNIT	MCL	RANGE	SOURCE
Chlorine	ppm	4	1 - 2	
Haloacetic Acids 5	ppb	60	26 - 43	By-product for drinking water disinfection
Total Trihalomethanes	ppb	80	22.7 - 61.7	By-product for drinking water disinfection

2020- INORGANIC CONTAMINANTS

	Reg. Limit	Result (mg/L)		Reg. Limit	Result (mg/L
Antimony	6	BDL	Mercury	2	BDL
Arsenic	10	BDL	Nickel	100	3.0
Barium	2000	45	Selenium	50	BDL
Beryllium	4	BDL	Thallium	2	BDL
Cadmium	5	BDL	Chromium	100	1.3
Fluoride (Adj.)	4	1.6	Sodium	*	6.1

2019 - Gross Alpha excluding Radon and uranium Result-1.6-1.6 pCi/L MCL-15

Patoka Lake Regional Water District

WATER QUALITY DATA 2021

Inorganic Contaminants(2021)

	MCL mg/L	D.L. mg/L	RESULT mg/L
Antimony	0.006	0.001	BDL
Arsenic	0.01	0.001	BDL
Barium	2	0.002	0.025
Beryllium	0.004	0.0003	BDL
Cadmium	0.005	0.001	BDL
Chromium	1	0.0009	BDL
Cyanide, (Free)	0.2	0.02	BDL
Fluoride	4	0.1	0.6
Mercury	0.002	0.0001	BDL
Nickel	0.1	0.001	BDL
Nitrate	10	0.1	BDL
Selenium	0.05	0.002	BDL
Sodium	No MCL	0.1	2.9
Thallium	0.002	0.0003	BDL

Radioactive Contaminants(2020)

		MCL	RESULT	
Radium-228	2020		.17+.41	pCi/L
Gross Alpha	2020	15	1.7+.9	pCi/L

Synthetic Organic Contaminants(2021)

		MCL ug/L	D.L. ug/L	RESULT ug/L
Alachlor(Lasso)	2021	2	0.1	BDL
Atrazine	2021	3	0.1	BDL
Benzo(a)pyrene	2021	0.2	0.02	BDL
Carbofuran	2021	40	0.9	BDL
Chlordane(alpha & gamma)	2021	2	0.1	BDL
2,4-D	2021	70	0.1	0.2
Dalapon	2021	200	1	BDL
DBCP	2021	0.2	0.01	BDL
Dinoseb	2021	7	0.1	BDL
2,3,7,8-TCDD(Dioxin)	2021	30 pg/L	5.0 pg/L	BDL
Diquat	2021	20	0.4	BDL
Di(2-ethylhexyl)adipate	2021	400	0.6	BDL
Di(2-ethylhexyl)phthalate	2021	6	0.6	BDL
Endothall	2021	100	9	BDL
Endrin	2021	2	0.01	BDL
Ethylene Dibromide(EDB)	2021	50 ng/L	10 ng/L	BDL
Glyphosate (Round-Up)	2019	700	6	BDL
Heptachlor	2021	0.4	0.04	BDL
Heptachlor Epoxide	2021	0.2	0.02	BDL
Hexachlorobenzene	2021	1	0.1	BDL
Hexachlorocyclopentadiene	2021	50	0.1	BDL
gamma-BHG Lindane	2021	0.2	0.02	BDL
Methoxychlor	2021	40	0.1	BDL
Oxamyl(Vydate)	2021	200	1	BDL
Pentachlorophenol	2021	1	0.04	BDL
Picloram(Tordon)	2021	500	0.1	BDL
PCBs	2019	0.5	0.5	BDL
Simazine	2021	4	0.07	BDL
2,4,5-TP(Silvex)	2021	50	0.1	BDL
Toxaphene	2021	3	1	BDL

Total Organic Carbon (TOC)		MCL		
		25%	Range	27.9% - 40.5%
Percent Removal TOC	Running	Average<25%	Average	34%

Definitions

"MCL"	means maximum contaminant level
"BDL"	means below detectable limit
"pCi/L"	means picocuries per liter
"D.L."	means detectable limit
2012 "mg/L"	means part per million or milligrams per liter
"NTU"	means nephelometric turbidity unit
"µg/L"	means part per billion or microgams per liter
"U.C."	means unregulated contaminates

Volatile Organic Contaminants(2021)

	MCL ug/L	D.L. ug/L	RESULT ug/L
Benzene	5	0.5	BDL
Carbon Tetrachloride	5	0.5	BDL
Chlorobenzene	100	0.5	BDL
1,2-Dichlorobenzene	600	0.5	BDL
1,4-Dichlorobenzene	75	0.5	BDL
1,2-Dichloroethane	5	0.5	BDL
1,1-Dichloroethylene	7	0.5	BDL
cis-1,2 Dichloroethylene	70	0.5	BDL
trans-1,2-Dichloroethylene	100	0.5	BDL
Dichloromethane	5	0.5	BDL
1,2-Dichloropropane	5	0.5	BDL
Ethylbenzene	700	0.5	BDL
Styrene	100	0.5	BDL
Tetrachloroethylene	5	0.5	BDL
Toluene	1000	0.5	BDL
1,2,4-Trichlorobenzene	70	0.5	BDL
1,1,1-Trichloroethane	200	0.5	BDL
1,1,2-Trichloroethane	5	0.5	BDL
Trichloroethylene	5	0.5	BDL
Vinyl Chloride	2	0.2	BDL
Total Xylenes	10000	0.5	BDL
Methy-T-butyl ether	NO MCL	0.5	BDL
TOTAL TRIHalomethanes(4)	**80**	**0.5**	**41.7**
Bromodichloromethane		0.5	4.9
Bromoform		0.5	BDL
Chlorodibromomethane		0.5	BDL
Chloroform		0.5	36.7

		MCL µg/L	RESULT µg/L	
Haloacetic Acids 5 (4)		60	34.9	Average
	2021	Range	25	45
Total Trihalomethanes(4)		80	41.7	Average
	2021	Range	20.4	60.9

		MCL	RESULT
Lead 90th percentile	2020	15ug/L	3.7ug/L
Copper 90th percentile	2020	1.3mg/L	0.17mg/L

Highest Turbidity Measurement 2021

.25 on 6/20/2021 & 8/24/2021