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**TOWN OF SANTA CLAUS
P.O. BOX 92
SANTA CLAUS, IN 47579**



**2024
Santa Claus Utilities
Water Quality
Report**



**Mission Statement
“Citizen Service”
To provide quality service on a consistent basis
with economy and efficiency in mind.**

TOWN OF SANTA CLAUS WATER QUALITY REPORT

REPORT OVERVIEW

This report intends to give water users essential facts about daily water usage. To ensure the safety of our water, a partial listing of the town's testing requirements are as follows: total chlorine, total coliform bacteria, lead, copper, and asbestos fibers. Chlorine residual tests are running seven days per week. Total coliform tests are run four times per month to ensure that the disinfection (chlorinating) process is working. Lead and copper tests are run every three years to see if these elements appear in our water. Another required test is asbestos fibers. The town utilizes asbestos cement pipe in a portion of the system, so we monitor the corrosiveness of the water to ensure the fibers stay in place. Do not be alarmed when you hear that there is an asbestos concrete pipe in the water system; it is considered safe and is used worldwide. Now that the town produces water, there are and will be new testing requirements. Results of current testing are included in this report. Future testing requirements and results will also be included in this report. During the last testing year, the town had no violations. Other constituents of our water are tested daily at our water treatment plant, as well as at the Patoka Lake Treatment Plant. Those results are also included in this report.

HEALTH INFORMATION

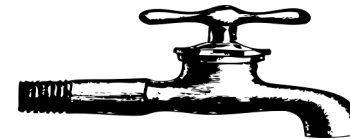
Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their healthcare providers. Environmental Protection Agency (EPA) and 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.

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 land's surface or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material. It can pick up substances resulting from the presence of animals or human activity. Contaminants that may be present in source water include:

Consumer Confidence Report

available on-line

After July 1, 2024, please see our website: www.townofsantaclaus.com for all of the same information provided in recent reports.



⇒ **Remember, for boil advisories, water outages, etc., notifications, subscribe to CodeRed by following the Spencer County website link.**

Call the Superintendent's office, Russ Luthy, at 812.544.3329 for questions or concerns.

Statement Addressing 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. Santa Claus Utilities 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, you may wish to have your water tested.

Information on lead in drinking water, testing methods, and steps to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>."

Lead and copper testing is done every three years in accordance with required regulations.

If you have any questions about the quality of your water, please attend our Waterworks board meetings. The meetings are held the second Tuesday of every month, beginning at 6:00 CST at the Town Hall.

Our Public Water System Identification number is IN5274010.

Listed are some significant contact numbers to call if you should have questions concerning water quality:

- | | |
|-------------------------------|--------------|
| • Santa Claus Town Hall | 812-937-2551 |
| • Utility Superintendent | 812-544-3329 |
| • Water Department | 812-544-2354 |
| • Patoka Lake Regional Office | 800-313-5589 |

For emergencies during weekends, holidays, and after hours, call 812-686-2234.

*Please use it only in emergencies.



Friendly Reminder:

For billing questions, call the Town Hall at 812-937-2551 ext. #2

If your water is shut off for any reason, there will be a \$50.00 reconnect fee.

Fees:

Water Connection \$750.00

Out of Town Limits applications (water only) \$ 125.00

Water Deposit \$200.00 Inspection- Residential . \$ 35.00

Fire Hydrant accessibility-

In 2020, the fire department had problems accessing and operating the nearest fire hydrant while responding to a fire in CLV. The problem was due to landscaping and plantings that were blocking clear access to the hydrant. With the safety of all residents in mind, please keep an approximate ten-foot diameter clear area around hydrants in your yard.

- Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, can naturally occur or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides may come from various sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production and can also come from gas stations, urban stormwater runoff, and septic systems.

Radioactive contaminants can naturally occur or result from oil and gas production and mining activities. To ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of specific contaminants in water provided by public water systems.

- Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may 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 **Environmental Protection Agency's Safe Drinking Water Hotline at 800-426-4791.**

CHLORAMINE/FLUORIDE ADDITION

Patoka Lake Regional Water District and the town utilize chloramines to disinfect your drinking water. For all regular users, chlorinated water is the same as water disinfected with chlorine. However, kidney dialysis patients should consult their doctor, and fish owners should call your pet store for more information. As recommended by ADA and AWWA, Patoka Lake District participates in the State Dental Fluoridation program and adds fluoride to the treated water.

As an end consumer of water, you can help protect drinking water sources by increasing and promoting efforts to recycle materials and properly dispose of chemicals, used oils and petroleum products, batteries, and other household refuse.

Patoka Lake Regional Water District
WATER QUALITY DATA 2023

SANTA CLAUS WATER UTILITY WATER QUALITY DATA FOR 2023

THESE WERE NO POSITIVE BACTERIOLOGICAL SAMPLE RESULTS IN 2023, AND NO DISINFECTANT RESIDUAL VIOLATIONS.

DEFINITIONS

"MCL" MEANS MAXIMUM CONTAMINANT LEVEL
 "BDL" MEANS BELOW DETECTABLE LIMIT
 "pCi/L" MEANS PICOCURIES PER LITER
 "D.L." MEANS DETECTABLE LIMIT
 "mg/L" MEANS MILLIGRAMS PER LITER OR PARTS PER MILLION
 "ug/L" MEANS MICROGRAMS PER LITER OR PARTS PER BILLION
 "ND" MEANS NOT DETECTED
 "MFL" MEANS MILLION FIBERS PER LITER
 "MRL" MEANS MAXIMUM REPORTING LEVEL

LIKELY SOURCES OF CONTAMINATION

LEAD: CORROSION OF HOUSEHOLD PLUMBING SYSTEMS, AND EROSION OF NATURAL DEPOSITS.
 COPPER: CORROSION OF HOUSEHOLD PLUMBING SYSTEMS.

VOLATILE ORGANIC CONTAMINANTS (2023)

	<u>MCL</u>	<u>MRL</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>	
BENZENE	5	0.5	ND
CARBON TETRACHLORIDE	5	0.5	ND
CHLORO BENZENE	100	0.5	ND
1,1,1,2 - TETRACHLOROETHANE	0	0.5	ND
1,2-DIBROMOETHANE	0	0.5	ND
1,2 - DICHLOROETHANE	5	0.5	ND
1,1 - DICHLOROETHYLENE	7	0.5	ND
1,2 - DICHLOROETHYLENE, CIS	70	0.5	ND
1,2 - DICHLOROETHYLENE, TRANS	100	0.5	ND
1,3-BUTADIENE	0	0.5	ND
1,1 - DICHLOROPROPENE	5	0.5	ND
ETHYLBENZENE	700	0.5	ND
STYRENE	100	0.5	ND
TETRACHLOROETHYLENE	5	0.5	ND
TOLUENE	1000	0.5	ND
1,2,4 - TRICHLOROBENZENE	70	0.5	ND
1,1,1 - TRICHLOROETHANE	200	0.5	ND
1,1,2 - TRICHLOROETHANE	5	0.5	ND
TRICHLOROETHYLENE	5	0.5	ND
VINYL CHLORIDE	2	0.5	ND
TOTAL XYLENES	10000	0.5	ND

UNREGULATED VOLATILE ORGANIC CONTAMINANTS (2022)

	<u>MCL</u>	<u>MRL</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>	
BROMOBENZENE	0	0.5	ND
BROMOMETHANE	0	0.5	ND
CHLOROETHANE	0	0.5	ND
2,2 - DICHLOROPROPANE	0	0.5	1.4
1,3 - DICHLOROPROPANE	0	0.5	ND
1,1,1,2 - TETRACHLOROETHANE	0	0.5	ND
1,2,3 - TRICHLOROPROPANE	0	0.5	ND
DIBROMOCHLOROMETHANE	0	0.5	0.8
BROMODICHLOROMETHANE	0	0.5	ND
BROMOFORM	0	0.5	3.2
CHLOROFORM	0	0.5	ND
METHYL TERT-BUTYL ETHER	5000		ND

LEAD 90TH PERCENTILE (2023) 0.005 mg/L
 COPPER 90TH PERCENTILE (2023) 0.398 mg/L

	<u>MCL</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>
HALOACTIC ACIDS 5	60	16.88 AVG
2023 RANGE 0 TO 35		
TOTAL TRIHALOMETHANES	80	25.38 AVG
2023 RANGE 2 TO 68		

	<u>MFL</u>	<u>D.L.</u>	<u>RESULT</u>
ASBESTOS(2020)	7	0.16	BDL

INORGANIC CONTAMINANTS (2022)

	<u>MCL</u>	<u>RESULT</u>
BARIIUM	2	0.058 ppm
CADMIUM	5	0.1 ppb
CYANIDE	200	30 ppb

RADIOACTIVE CONTAMINANTS (2015)

	<u>MCL</u>	<u>RESULT</u>
GROSS BETA	50	5.7 pCi/L
GROSS ALPHA	15	BDL pCi/L
URANIUM	0.03	0.0006 mg/L

SYNTHETIC ORGANIC CONTAMINANTS (2021)

	<u>MCL</u>	<u>D.L.</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
ALACHLOR (LASSO)	2	0.2	BDL
ATRAZINE	3	0.1	BDL
BENZO(A)PYRENE	0.2	0.02	BDL
CARBOFURAN	40	0.9	BDL
CHLORDANE (ALPHA & GAMMA)	2	0.05	BDL
2,4 - D	70	0.15	BDL
DALAPON	200	1	BDL
DBCP	0.2	0.01	BDL

DINOSEB	7	0.3	BDL
2,3,7,8 - TCDD (DIOXIN)	30		BDL
DIQUAT	20	0.66	BDL
DI(2-ETHYLHEXYL) ADIPATE	400	0.5	BDL
DI(2-ETHYLHEXYL)PHTHALATE	6	1	BDL
ENDOTHALL	100	0.5	BDL
ENDRIN	2	0.01	BDL
ETHYLENE DIBROMIDE(EDB)	50	10	BDL
GLYPHOSATE(ROUND UP)	700	5	BDL
HEPTACHLOR	0.4	0.02	BDL
HEPTACHLOR EPOXIDE	0.2	0.02	BDL
HEXACHLOROBENZENE	1	0.1	BDL
HEXACHLOROXYCLOPENTADIENE	50	0.1	BDL
LINDANE	0.2	0.02	BDL
METHOXYCHLOR	40	0.1	BDL
OXAMY(VYDATE)	200	0.5	BDL
PENTACHLORPHENOL	1	0.04	BDL

PICLORAM (TORDON)	500	0.15	BDL
PCBS	0.5	0	BDL
SIMAZINE	4	0.15	BDL
2,4,5 - TP(SILVEX)	50	0.08	BDL
TOXAPHENE	3	0.08	BDL
NITRATES(2023)	10	0.2	ND

Inorganic Contaminants(2023)

	<u>MCL</u>	<u>D.L.</u>	<u>RESULT</u>
	<u>mg/L</u>	<u>mg/L</u>	<u>mg/L</u>
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	0.0005	BDL
Chromium	1	0.0009	BDL
Fluoride	4	0.05	0.6
Mercury	0.002	0.0001	BDL
Nickel	0.1	0.001	BDL
Nitrite as N	1	0.01	BDL
Nitrate Nitrite as N	10	0.1	0.1
Nitrate as N	10	0.1	0.1
Selenium	0.05	0.002	BDL
Sodium	No MCL	0.1	2.7
Thallium	0.002	0.0003	BDL

Radioactive Contaminants(2023)

	<u>MDC</u>	<u>RESULT</u>
Radioium 226-228	2023 0.77	BDL pCi/L
Gross Alpha	2023 1.64	BDL pCi/L

Synthetic Organic Contaminants(2023)

	<u>MCL</u>	<u>D.L.</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>	
Alachlor(Lasso)	2023 2	0.098	BDL
Atrazine	2023 3	0.098	BDL
Benzo(a)pyrene	2023 0.2	0.02	BDL
Carboluran	2023 40	0.9	BDL
Chlordane(alpha & gamma)	2023 2	0.1	BDL
2,4-D	2023 70	0.1	BDL
Dalapon	2023 200	1	BDL
DBCP	2022 0.2	0.01	BDL
Dinoseb	2023 7	0.1	BDL
2,3,7,8-TCDD(Dioxin)	2023 30	pg/L 5.0	pg/L BDL
Diquat	2023 20	0.4	BDL
Di(2-ethylhexyl)adipate	2023 400	0.6	BDL
Di(2-ethylhexyl)phthalate	2023 6	0.6	BDL
Endothall	2023 100	9	BDL
Endrin	2023 2	0.01	BDL
Ethylene Dibromide(EDB)	2022 50	ng/L 10	ng/L BDL
Glyphosate (Round-Up)	2023 700	6	BDL
Heptachlor	2023 0.4	0.04	BDL
Heptachlor Epoxide	2023 0.2	0.02	BDL
Hexachlorobenzene	2023 1	0.1	BDL
Hexachlorocyclopentadiene	2023 50	0.1	BDL
gamma-BHG Lindane	2023 0.2	0.02	BDL
Methoxychlor	2023 40	0.1	BDL
Oxamyl(Vydate)	2023 200	1	BDL
Pentachlorophenol	2023 1	0.04	BDL
Picloram(Tordon)	2023 500	0.1	BDL
PCBS	2022 0.5	0.5	BDL
Simazine	2023 4	0.07	BDL
2,4,5-TP(Silvex)	2022 50	0.1	BDL
Toxaphene	2023 3	1	BDL

Total Organic Carbon (TOC)	<u>MCL</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>
25%		
Range	25.3% - 41.6%	
Average	35.3%	

Percent Removal TOC Running Average <25% Average 25.3% - 41.6% 35.3%

Definitions

"MCL" means maximum contaminant level
 "BDL" means below detectable limit
 "pCi/L" means picocuries per liter
 "D.L." means detectable limit
 "mg/L" means part per million or milligrams per liter
 "NTU" means nephelometric turbidity unit
 "ug/L" means part per billion or micrograms per liter
 "U.C." means unregulated contaminates
 "AL" Means Action Level

"MDC" means Minimum Detection Concentration (radioactivity)

Volatile Organic Contaminants(2023)

	<u>MCL</u>	<u>D.L.</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
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-Dichloroethene	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
Tetrachloroethene	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

	<u>MCL</u>	<u>D.L.</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
TOTAL TRIHalomethanes(4)	80	0.5	38.01
Bromodichloromethane		0.5	4.06
Bromoform		0.5	BDL
Dibromochloromethane		0.5	BDL
Chloroform		0.5	33.95
TOTAL Haloacetic Acids(4)	60	0.05	29.58
Dichloroacetic acid		0.5	14.75
Monochloroacetic acid		0.5	BDL
Trichloroacetic acid		0.5	14.83

	<u>MCL</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>
Haloacetic Acids 5 (4)	60	29.7 Average
2023	Range	17.8 43
Total Trihalomethanes(4)	80	38.1 Average
2022	Range	18.7 72.6

	<u>MCL</u>	<u>RESULT</u>
	<u>ug/L</u>	<u>ug/L</u>
Lead 90th percentile	2023 15	ug/L 6.69
Copper 90th percentile	2023 1300	ug/L 430

Highest Turbidity Measurement 2023

10/24 -- 24 NTU