AQUARION
Water Company

Stewards of the Environment™

2021 WATER QUALITY REPORT

Water: it's too precious to waste

BERKSHIRE CORPORATE PARK SYSTEM, BETHEL

WATER QUALITY TABLE

Berkshire Corporate Park System, Bethel | PWS ID#: CT0090292

	Highest Allowed by Law				*Detected Level*	
Substance (Units of Measure)	**MCLG**	**MCL**	**Compliance**	**Test Date**	**Average**	**Range**
INORGANIC COMPOUNDS						
Barium (ppm)	2	2	**YES**	2021	0.018+	0.013 - 0.018
Copper (ppm)	1.3	AL = 1.3	**YES**	2020	0.19*	
Fluoride (ppm)	4.0	4.0	**YES**	2021	0.82+	0.61 - 0.82
Lead (ppb)	0	AL = 15	**YES**	2020	ND < 1**	
Nitrate (ppm)	10	10	**YES**	2021	0.33+	0.24 - 0.33
MICROBIALS						
Turbidity (NTU)	NA	TT = 1 max	**YES**	2021	0.91+	0.05 - 0.91
Turbidity (NTU)	NA	TT = 95% of	**NO++**	2021	94%	
DISINFECTANT						
Chlorine (ppm)	MRDLG 4	MRDL 4	**YES**	2021	0.47	0.10 - 0.83
ORGANIC COMPOUNDS						
Total Trihalomethanes (ppb)	NA	80	**YES**	2021	44***	19 - 61
Total Haloacetic Acids (ppb)	NA	60	**YES**	2021	15***	9 - 24
STATE-REQUIRED TESTING — PHYSICAL CHARACTERISTICS^						
Color (CU)	NA	15	**YES**	2021	1	0 - 2
pH	NA	6.4 - 10.0	**YES**	2021	7.6	7.2 - 8.3
Turbidity (NTU)	NA	5	**YES**	2021	0.11	0.05 - 0.25
STATE-REQUIRED TESTING — INORGANIC COMPOUNDS						
Chloride (ppm)	NA	250	**YES**	2020	64.8+	52.6 - 64.8
Sodium (ppm)	NA	NL = 28	**NA**	2020	36.8+	29.3 - 36.8
Sulfate (ppm)	NA	SMCL = 250	**NA**	2020	36.8+	27.2 - 36.8

Your water has been tested for more than 100 compounds that are important to public health. The maximum number of compounds detected was 14, all of which were below the amounts allowed by state and federal law. Most of these compounds are naturally occurring. Monitoring frequency varies from daily to once every nine years per EPA regulation, depending on the parameter. Our testing encompasses the full range of regulated inorganic, organic and radiological compounds, and microbiological and physical parameters. Results shown below are for detected compounds only.

FOOTNOTES AND DEFINITIONS

for water quality table on previous page

< Less than

AL Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

CU Color Units

MCL Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs 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. MCLGs allow for a margin of safety.

MRDL Maximum Residual Disinfectant Level: 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.

MRDLG Maximum Residual Disinfectant Level Goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

NA Not Applicable

ND Not Detected

NL State of Connecticut customer **notification level**

NTU Nephelometric Turbidity Units, a measure of the presence of particles. Low turbidity is an indicator of high-quality water.

ppb parts per billion, or micrograms per liter (ug/L)

ppm parts per million, or milligrams per liter (mg/L)

SMCL Secondary Maximum Contaminant Level

TT Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

+ Highest level detected by the Danbury Water Department.

++ The Danbury Water Department violated a drinking water requirement in July 2021. Although this was not an emergency, as our customers, you have a right to know what happened. Water samples at the treatment plant for the compliance period in July showed that 5.8% of turbidity measurements were more than 0.30 turbidity units. The standard is that no more than 5% of samples may exceed 0.30 turbidity units per month. The Danbury Water Department was back in compliance in August 2021.

***** 90th percentile value in copper monitoring. Result is representative of customer sampling stagnant water. No locations exceeded the action level for copper.

****** 90th percentile value in lead monitoring. Result is representative of customer sampling stagnant water. No locations exceeded the action level for lead.

******* Reported value is the highest locational, annual average of quarterly measurements for disinfection by-products in the distribution system. Values in the range are individual measurements.

^ Measured at representative locations within the distribution system.

HEALTH EFFECTS

Sodium: If you have been placed on a sodium-restricted diet, please inform your physician that our water may contain as much as 36.8 ppm of sodium.

Turbidity: While Danbury's turbidity levels are relatively low, their persistence is a concern. Turbidity has no direct health effects, however; it can interfere with disinfection and provide a medium for microbial growth. This is not an emergency. If it had been, you would have been notified immediately.

Understanding Your Water Quality Table

Barium: Erosion of natural deposits.

Copper: Corrosion of household plumbing systems.

Fluoride: Water additive that promotes strong teeth; erosion of natural deposits.

Lead: Corrosion of household plumbing systems.

Nitrate: Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.

Turbidity: Sediment particles; naturally occurring iron and manganese; soil runoff.

Chlorine: Water additive used to control microbes.

Total Trihalomethanes: By-product of drinking water chlorination.

Total Haloacetic Acids: By-product of drinking water chlorination.

Color: Natural organic matter such as decaying leaves; naturally occurring iron and manganese.

pH: Naturally occurring; water treatment processes.

Chloride: Naturally present in the environment.

Sodium: Water treatment processes; use of road salt; naturally present in the environment.

Sulfate: Naturally present in the environment.

Berkshire Corporate Park System, Bethel
PWS ID#: CT0090292

Questions About Your Water Quality Report?

Customers who have questions about water quality should call us at **800-832-2373**.

Customers also may email us at **waterquality@aquarionwater.com**, or visit **www.aquarionwater.com**.

For other questions, or to report discolored water/service problems, or if you would like to participate in a public meeting, call **800-732-9678**.

Connecticut Department of Public Health Drinking Water Section: **860-509-7333** or **www.ct.gov/dph**

U.S. Environmental Protection Agency's Safe Drinking Water Hotline: **800-426-4791** or **www.epa.gov/safewater**

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