

Annual Drinking Water Quality Report

ALEDO

IL1310050

Annual Water Quality Report for the period of January 1 to December 31, 2018

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

The source of drinking water used by ALEDO is Ground Water

For more information regarding this report contact:

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Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien.

Table with 2 columns: Source of Drinking Water (text) and Source of Drinking Water (list of sources including rivers, wells, ground, and industrial sites).

Table with 2 columns: Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. EPA prescribes regulations that tap water is safe to drink, and Some people may be more vulnerable to contaminants in drinking water than the general population.

Source Water Information

Source Water Name	Type of Water	Report Status	Location
WELL 4 (01287)	GW	<u>Active</u>	14700 FT NE OF NEW BOSTON WF
WELL 5 (01288)	GW	<u>Active</u>	300 FT S OF WELL 4
WELL 6 (01289)	GW	<u>Active</u>	500 FT S OF WELL 5

Source Water Assessment

We want our valued customers to be informed about their water quality. If you would like to learn more, please feel welcome to attend any of our regularly scheduled meetings held in the Aledo City Hall Council room on the first and third Mondays of each month at 6:30pm. (Committee-of-the-Whole starts at 6:15pm). The source water assessment for our supply has been completed by the Illinois EPA. If you would like a copy of this information, please stop by City Hall or call our water operator, Mark Blythe at 309-582-7241. To view a summary version of the completed Source Water Assessments, including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts, you may access the Illinois EPA website at <http://www.epa.state.il.us/cgi-bin/wp/swap-fact-sheets.pl>.

Source of Water: ALEDO The Illinois EPA has determined that the Aledo Community Water Supply's source water from Wells #4, #5, and #6 is susceptible to IOC and SOC contamination. This determination is based on a number of criteria including; monitoring conducted at the wells; monitoring conducted at the entry point to the distribution system; and available hydrogeologic data on the wells. As such, the 5-year recharge area for these wells was delineated. The land use within this recharge area was evaluated as part of this susceptibility determination. This land use includes agricultural properties.

Lead and Copper

Definitions: Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.
 Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	06/16/2016	1.3	1.3	0.045	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	06/16/2016	0	15	4.3	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Water Quality Test Results

Definitions: The following tables contain scientific terms and measures, some of which may require explanation.
 Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.
 Level 1 Assessment: A level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
 Level 2 Assessment: A level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
 Maximum Contaminant Level or MCL: 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.
 Maximum Contaminant Level Goal or 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 residual disinfectant level or MRDL: 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.
 Maximum residual disinfectant level goal or MRDLG: 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 contaminants.
 na: not applicable.
 mrem: millirems per year (a measure of radiation absorbed by the body)
 ppb: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.
 ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.
 Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.

Regulated Contaminants

Disinfectants and By-Products Collection Date Highest Level Detected Range of Levels Detected MCLG MRDLG = 4 MRDL = 4 Units Violation Likely Source of Contamination

Chlorine 12/31/2018 1 0.88 - 1.11 MRDIG = 4 MRDL = 4 ppm N Water additive used to control microbes.

Total Trihalomethanes (TTHM) 2018 5 4.8 - 4.8 NO goal for the total 80 ppb N By-product of drinking water disinfection.

Inorganic Contaminants Collection Date Highest Level Detected Range of Levels Detected MCLG MCL Units Violation Likely Source of Contamination

Barium 08/10/2017 0.008 0.008 - 0.008 2 2 ppm N Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.

Fluoride 08/10/2017 0.62 0.62 - 0.62 4 4.0 ppm N Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.

Manganese 08/10/2017 4.4 4.4 - 4.4 150 150 ppb N This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.

Nitrate [measured as Nitrogen] 2018 4 4.3 - 4.3 10 10 ppm N Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Sodium 08/10/2017 13 13 - 13 ppm N Erosion from naturally occurring deposits. Used in water softener regeneration.