



**Brownsburg Water Plant
(at Arbuckle Acres Park)**

The 3.2 million gallons per day water plant at Arbuckle Acres Park was put online in 2013. It replaces a plant that was more than 40 years old.

GET INVOLVED

Your involvement starts with the environment around you. Surface water and groundwater are continually being impacted by your actions. The most effective way to prevent groundwater contamination is through education about potential contamination sources and how to minimize or eliminate them.

WATER INFORMATION RESOURCES

Indiana Dept. of Environmental Management
www.in.gov/idem

Environmental Protection Agency
www.epa.gov/safewater

Centers for Disease Control
www.cdc.gov

Safe Drinking Water Hotline
800-426-4791



**Questions? Contact Gary Golay at
ggolay@brownsburg.org**

Este informe contiene informacion muy importante sobre la calidad de su agua potable. Por favor lea este informe o comuniquese con alguien que pueda traducir la informacion.



Brownsburg Water Department

**61 N. Green St.
Brownsburg, IN 46112**

(317) 852-1138

IN5232002

**2019 WATER
QUALITY REPORT**

Water Testing Performance in 2019



We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) for January 1 – December 31, 2019. This report provides details about where your water comes from, what it contains, and how it compares to the standards set by regulatory agencies including the EPA (Environmental Protection Agency) and IDEM (Indiana Department of Environmental Management).

Our goal is to provide you with a safe and dependable supply of drinking water.

WHERE DOES MY WATER COME FROM?

Your drinking water comes from groundwater pumped from eight wells drawing water from the White River Basin and the purchase of approximately 400,000 gallons per day from Citizens Energy Group.



**ADDITIONAL HEALTH EFFECTS
YOU SHOULD KNOW ABOUT**

Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years can suffer liver or kidney damage.

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. We are 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.

**ARE THERE CONTAMINANTS IN
MY DRINKING WATER?**

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 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 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.

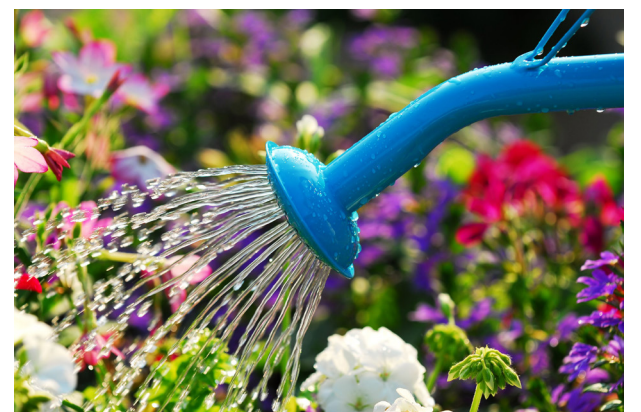
Radioactive Contaminants which can be naturally occurring or be the result of oil and gas production and mining activities.

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 bottled 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 water poses a health risk.

**DO I NEED TO TAKE
SPECIAL PRECAUTIONS?**

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 or the Safe Drinking Water Hotline.



BROWNSBURG WATER DEPARTMENT

TEST RESULTS – IN5232002

REGULATED CONTAMINANTS:

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation? Y/N	Likely Source of Contamination
Chlorine	2019	1	1 – 1	MRDLG = 4	MRDL = 4	ppm	No	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2019	22	0 – 46.5	No goal for the total	60	ppb	No	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2019	22	0 – 47	No goal for the total	80	ppb	No	By-product of drinking water disinfection.

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation? Y/N	Likely Source of Contamination
Arsenic	2017	2.5	0 – 2.5	0	10	ppb	No	Erosion of natural deposits, runoff from orchards, runoff from glass and electronic production wastes.
Barium	2017	0.339	0.247-0.339	2	2	ppm	No	Discharge of drilling wastes, discharge from metal refineries, erosion of natural deposits.
Fluoride	2017	0.909	0.727-0.909	4	4	ppm	No	Erosion of natural deposits, water additive that promotes strong teeth, discharge from fertilizer and aluminum factories.
Nitrate (measured as Nitrogen)	2019	1	0.406-0.591	10	10	ppm	No	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits.
Selenium	2017	1.2	0 - 1.2	50	50	ppb	No	Discharge from petroleum and metal refineries, erosion of natural deposits, discharge from mines.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation? Y/N	Likely Source of Contamination
Gross alpha excluding radon and uranium	2019	3	3 – 3	0	15	pCi/L	No	Erosion of natural deposits.

Lead and Copper* <small>*30 Sites were sampled for Lead and Copper.</small>	Collection Date	MCLG	Action Level (AL)	90th Percentile	# Sites over AL	Units	Violation? Y/N	Likely Source of Contamination
Copper	2019	1.3	3 – 3	0.81	1	ppm	No	Erosion of natural deposits, leaching from wood preservatives, corrosion of household plumbing systems.
Lead	2019	0	15	<2.0	0	ppb	No	Erosion of natural deposits, corrosion of household plumbing systems.

Important Drinking Water Definitions:

In the above table, you will find many terms and abbreviations that you may not be familiar with. To help you better understand these terms, we've provided the following definitions:

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

MCL (Maximum Contaminant Level): The "Maximum Allowed" (MCL) is 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 Disinfection 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 contaminants.

PPB (Part Per Billion or microgram per liter (ug/l)): One part per billion equates to one minute in 2,000 years, or a single penny in \$10,000,000.

PPM (Part Per Million or Milligram per liter (mg/l)): One part per million equates to one minute in two years, or a single penny in \$10,000.