

# ***Update: BBP Water Corporation is keeping your water safe through water treatment processes***

In 2011 during routine water compliance testing for Volatile Organic Carbons, the chemical Tetrachloroethylene was detected. Tetrachloroethylene also known as "PERC" is an excellent solvent for dry cleaning and metal processing. In 2011 the level found in the finished water was 1.2 parts per billion. Still well under the 5 parts per billion that is the MCL for the chemical PERC. BBP Water Corporation continued to test and monitor the levels of the VOC chemicals that included the chemical Tetrachloroethylene, over the next two years the chemical only was detected in one other sample, in 2012 at a 1.4 parts per billion

Even though the finished water was under the guidelines set for the chemical Tetrachloroethylene or PERC the BBP Water Corporation Board of Directors decided to be Pro-Active and in 2014 designs for treating and removal of all PERC from the finished water was being engineered. In 2016-2017 the water corporation added a new well that produces 1400 gallons of water per minute, two 2000 GPM air strippers were added to the existing water treatment plant and two 500 gallon per minute Reverse Osmosis filtering units were added to increase the amount of water BBP can treat everyday. This project was done with the assistance of Curry Engineering, IDEM, and the employees at BBP Water Corporation. The Air Strippers were turned on, in May of 2017, and all water tests after May 2017 have come back as "undetectable" for the chemical Tetrachloroethylene "PERC".



**Air Strippers for the removal of the VOC chemical Tetrachloroethylene "PERC"**

***We are proud to report that the water quality provided by BBP Water Corporation has met or exceeded the water quality standards established at the State and Federal levels.***



**Reverse Osmosis 1,000 GPM Water Treatment**

BBP Water Corporation secured funding for the project from the Indiana State Revolving Loan Fund, known as the SRF. BBP Water Corporation has increased water testing due to the levels of PERC found in the Raw "untreated water". The water corporations' yearly costs have increased by over \$185,000 to meet the financial requirements of the water treatment plant upgrades.

The BBP Board and BBP Staff took a Pro-Active approach that included the total removal of PERC from the finished water delivered to our customers. The BBP Water Corporation Board of Directors are all members of the water system. Our customers are our neighbors and relatives. BBP strives to produce the safest water possible for our customers.

# BBP Water Corporation

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Member of the Alliance of Indiana Rural Water



## 2018 Drinking Water Quality Report

It is time, once again, for the BBP Water Corporation's Water Consumer Confidence Report (CCR). The Environmental Protection Agency (EPA) and the Indiana Department of Environmental Management (IDEM) regulate this report. To ensure safe drinking water for our community, IDEM and the EPA monitor our compliance with the many regulatory standards. This report contains the latest water quality testing results that have been submitted to the IDEM and the EPA.

### **In 2018 BBP Water Corporation took hundreds of water tests, to insure the quality of the water delivered to our customers is safe. BBP has exceeded all requirements set by state and federal drinking water standards**

The BBP Water Corporation's water comes from ground water that is pumped from 4 deep wells. This water has a substantial quantity of hardness due to calcium and manganese, which the treatment facility is designed to remove through water softening and filtration. Chlorine is added for disinfection. We test the pH, hardness, and chlorine levels at the plants daily, and we test the distribution system for adequate levels of chlorine daily. All of this information is reported to IDEM monthly. For more information about the BBP Water Corporation, please contact Danny Bowman, Treatment Plant Operator, at (812)829-2283 or at [danny.b@bbpwatercorp.com](mailto:danny.b@bbpwatercorp.com)

Water is our most precious natural resource. It is everyone's responsibility to prevent the pollution of ground water, streams, lakes and rivers.

**Board Meetings:** Meetings are held in our office at 7 pm, on the third Monday of the month.

Please visit our Website at [bbpwatercorp.com](http://bbpwatercorp.com) and sign up to receive alerts from the Water Corporation. BBP Water Corporation will be drawing four names out of all those signed up by August first. Each winner will receive a \$50 gift card. BBP Water sends Boil Orders, Water Outages, and other important info through the alert systems on the website.

### **Lead and Copper**

If present, elevated levels of lead can cause a serious health problem, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. BBP 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 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 from the Safe Drinking Water Hotline 1-800-426-4791 or at <http://epa.gov/safewater/lead>.

Most regulated and unregulated substances monitored by the EPA are not detected in the BBP Water Corporation's drinking water. IDEM allows us to monitor for some substances less than once per year because the concentrations are not likely to change. Some of the data presented is more than one year old. Some substances were monitored more than once in 2018, or they were from several locations which required the averaging of the results and the listing of the range.

## 2018 Water Quality Data Summary: The Water We Drink

Inorganic Contaminants										
Date	Contaminant	MCL	MCLG	Units	Results	Min	Max	Above AL	Violates	Likely Sources
Vaild until 2020	Copper 90th % Value	1.3	1.3	ppm	0.057	.007	.135	0	N	Erosion of Natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
Vaild until 2020	Lead 90th % Value	15	0	ppb	2.7	BDL	4.7	0	N	Corrosion of household plumbing systems; Erosion of natural deposits
12/28/17	Fluoride	4	4	ppm	0.158		0.158		N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Annual 2018	Nitrate measured as Nitrogen	10	10	ppm	1.19		1.19		N	Runoff from fertilizer use, leaching from septic tanks,sewage, erosion of natural deposits.
12/28/17	Arsenic	10	0	ppb	1.2		1.2		N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
12/28/17	Selenium	50	50	ppb	1.4		1.4		N	Discharge from petroleum and metal refineries; Erosion of natural deposits ; discharge from mines.
12/28/17	Barium	2	2	ppm	0.08		0.8		N	Discharge of drilling waste ;Discharge from metal refineries;Erosion of natural deposits

Disinfection By-Products										
Date	Contaminant	MCL	MCLG	Units	Results	Min	Max	Above AL	Violates	Likely Sources
2018	Haloacetic Acids (haa5)	60	No goal for the total	ppm	3	1.8	3.2		N	Erosion of Natrual deposits; Leaching from wood preservatives; Corrosion of household plumbing systems
2018	Total Trihalo-methanes (tthm)	80	No goal for the total	ppb	12	3.7	13		N	Corrosion of household plumbing systems; Erosion of natural deposits
2018	Chlorine	MRDL=4	MRDLG=4	ppm	1.63	0.4	1.63		N	Water additive used to control microbes

Radiological Contaminants										
Date	Contaminant	MCL	MCLG	Units	Results	Min	Max	Above AL	Violates	Likely Sources
1-1-14	Gross Alpha excluding radon and uranium	15	0	pCi/L	-.39	NA	NA		N	Erosion of natrual deposits
1-1-14	Radium 228	5 pCi/L	0	pCi/L	1.2	NA	NA		N	Erosion of natural deposits

Unregulated Contaminates										
Date	Contaminant	MCL	MCLG	Units	Results	Min	Max	Above AL	Violates	Likely Sources
2017	Nickel	N/A	100	ug/l	BDL				N	Erosion of natrual deposits; Leaching
2017	Sodium	N/A		ug/l	36.2		36.2		N	Erosion of natural deposits; Leaching

Coliform Bacteria						
Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform of E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violates	Likely Sources of Contamination
0	Less than 5% of Total Tested	1	No Detects	None Detected	N	Naturally present in the environment

**TOTAL COLIFORM SAMPLING** - we are mandated by the state for the size of our system to take 120 routine samples . They were collected at locations throughout the water system in the year of 2018.

## ***Terms and Abbreviations to Help You Understand the Data***

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers additional treatment measures by the public water system.

Center For Disease Control (CDC)

Environmental Protection Agency (EPA)

Maximum Contaminant Level (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 (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.

NA - Not Applicable

Million Gallons Per Day (MGD)

Nephelometric Turbidity Units (NTU) - Turbidity is a measure of cloudiness in water.

Parts Per Million (ppm) - Equivalent to milligrams per liter. One part per million is comparable to one penny out of \$10,000.

Parts Per Billion (ppb) - One part per billion is comparable to one penny in \$10,000,000.

Picocuries Per Liter (pCi/L) - a measure of radioactivity.

Treatment Technique (TT) - A required process intended to reduce the level of contaminants in drinking water.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The FDA regulates contaminant limits 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. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as a person with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or the immune system disorder, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. More information about contaminants and potential health effects, along with the EPA/Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants, can be obtained by calling the EPA's Safe Drinking Water Hotline at 1-800-426-4791.

### ***Our Watershed Protection Efforts***

Our water system is working with the community to increase awareness of better waste disposal practices to further protect the sources of our drinking water. We are also working with the other agencies and with local watershed groups to educate the community on ways to keep our waters safe.