#### What Is The Source of Water for Whitestown's System?

Whitestown's customers receive 100% of their water purchased by Whitestown Municipal Utilities (WMU), which originates from Citizens Water and is transported through WMU's distribution system.

The water supply for Citizens Water comes from several sources including White River and Fall Creek, as well as the Geist, Morse, and Eagle Creek Reservoirs. Citizens Water also supplements their supply through a number of wells for smaller areas which it serves directly.

Following treatment by Citizens Water, the source water is piped to a connection point adjacent to the Whitestown booster pumping station and then into the distribution system. These facilities are owned and operated by WMU. Protecting The Water Supply for the Whitestown System

To minimize the risk of groundwater contamination, a *Drinking Water Protection Program* has been implemented by Citizens Water in accordance with the state's Wellhead Protection Rules and local ordinances. This program involves:

- working with local planning teams and regulators,
- mapping of the drinking water protection areas,
- identifying potential sources of groundwater contamination,
- working with businesses to prevent spills and releases of chemicals, and
- preparing a contingency plan in case of contamination.
   For more information on drinking water protection and wellhead protection, visit <u>www.citizensenergygroup.com</u> or call Citizens Water at (317) 924-3311.

# You Can Help!

Decisions you make about your water usage have an impact on water quality. Here are a few suggestions for actions you can take to help keep water supplies clean and plentiful.

- 1. Limit lawn watering to 2-3 times per week. The best time to water lawns and other plants is between 4:00am-7:00am.
- 2. Don't dump soap, motor oil, fats, grease, pharmaceuticals, or other waste products into house drains, storm drains, creeks, or streams.
- 3. Sweep driveways, sidewalks, and steps rather than hosing them off. Turn off garden hoses when not in use.
- 4. Check for leaks in your plumbing to save water and money.
- 5. Wash vehicles in grassy areas to prevent runoff into storm sewers.
- 6. Add rain barrels to your downspouts and incorporate rain gardens to your yard to collect water for watering plants or washing vehicles.
- 7. Dispose of outdated or unneeded medications properly (not down the drain).

## **Consumer Confidence Report**



Whitestown Municipal Utilities PWSID IN5206014

For The Period of: January 1 to December 31, 2019 Whitestown, Indiana

This report is intended to provide our water customers with important information about your drinking water and the efforts made by Whitestown Municipal Utilities to provide safe

drinking water. As required by the U.S. Environmental Protection Agency (EPA), these drinking water reports provide information on where water comes from and how it compares to current standards.

Since all of Whitestown's water is purchased through Citizens Water, a Consumer Confidence Report from Citizens Water is also included.

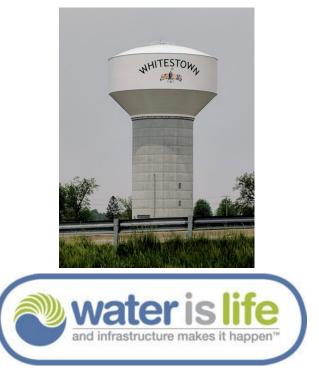
If, after reading these reports, you have any questions or concerns, please contact us at (317) 733-8584.

#### Informacion Muy Importante:

Este informe contiene informacion muy importante sobre el agua que usted bebe. Traduzcalo o hable con alguien que lo entienda bien.

#### To Whitestown Customers...

On behalf of the Whitestown Town Council, we want to express our appreciation for having you as our customer. While we work diligently to provide the best service possible, we need your help too. If you see standing water on the road, in a ditch or in a yard, and it hasn't been raining – please call us. If you see anyone filling up water tanks directly from a hydrant – please call us immediately! If you see a vehicle has hit a hydrant – please call us! Help us become more proactive by reporting potential problems. Our customers help us provide better service and deliver a high quality water product and we welcome your involvement.



For additional information, please contact: Whitestown Director of Public Works Danny Powers Phone: (317) 769-6557 Fax: (317) 733-8674 dpowers@whitestown.in.gov

Annual Water Quality Report Whitestown System— Jan 1-Dec 31, 2019

#### Water Quality Test Results

The following tables contain scientific terms and measures, some of which may require explanation. Unless otherwise indicated, the data is from testing done between January 1 and December 31, 2019.

- AL (Action Level) The concentration of a contaminant which, if exceeded, triggers treatment or other requirements or action which a water system must follow.
- ALG (Action Level Goal) The level of a contaminant in drinking water below which there is no known risk to health. ALGs allow for a margin of safety.
- Avg (average) Regulatory compliance with some MCLs are based on running annual average of monthly samples.
- LRAA (*Locational Running Annual Average*) The average of sample analytical results for samples taken at a particular monitoring location during the previous four (4) calendar quarters.
- MCL (Maximum Contaminant Level) The highest level of 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 contaminants.
- **ppm** (*parts per million*) or milligrams per liter; one ounce in 7,350 gallons of water.
- **ppb** (*parts per billion*) or micrograms per liter; one ounce in 7,350,000 gallons of water.

### **2019 Regulated Contaminants Detected**

Lead and Copper. 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. We are responsible for providing high quality drinking water, but we 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 or at <a href="http://www.epa.gov/safewater/lead">http://www.epa.gov/safewater/lead</a>. The Whitestown water system is a consecutive system to Citizens Water which also samples and monitors water quality.

Lead and Copper											
Substances Detected	Date Sampled	Substances Detected	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination		
Copper	2019	Copper	1.3	1.3	0.79	0	ppm	No	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.		
Lead	2019	Lead	0	15	1.2	0	ppb	No	Corrosion of household plumbing systems; erosion of natural deposits.		

## Regulated Contaminants

Disinfectants and	Disinfection byproducts (DBP S)

Disinfectants and Disinfection By-products	Collection Date	*Highest Level	Range of Levels	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2019	2	1-2	MRDLG = 4	MRDL= 4	ppm	No	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2019	36.2	11.3-43.2	No goal for the total	60	ppb	No	By-product of drinking water disinfection
Total Trihalomethanes (TTHM)	2019	57.7	27.4-67.3	No Goal for Total	80	ppb	No	By-product of drinking water disinfection

\*Based on a running annual average

Coliform Bacteria											
MCLG	Total Coliform MCL	Highest No. of Positive	Fecal Coliform or E. Coli MCL	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination					
0	1 positive monthly sample.	1	0	0	No	Naturally present in the environment.					

#### Citizens Energy Group--Indianapolis and Morgan County Consumer Confidence Report Data 2019

Name         Open         Open         Open         Open         Appn         ND         Appn         ND         Appn         ND         Pertiliar, appk           Charter Sequileed Organica:         73 µpd         3 µpd         3 µpd         3 µpd         2.0 µpd         ND         2.0 µpd         ND         2.0 µpd         ND         2.0 µpd         ND         2.0 µpd         YES         Intellated           Standard (ppd)         4 µpd         4 µpd         4 µpd         4 µpd         BUL         0.0 µpd         ND         2.0 µpd         YES         Intellated           Standard (ppd)         4 µpd         4 µpd         BUL         0.0 µpd         ND         0.0 µpd         YES         Standard           Turkitivy (NTU)         NA         1 NTU         0.0 µkd         NIA	deposits deposits its & treatment itive	
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One Regulated Organics:         24-0 paph         72 gip         72 gip <th72 gip<="" th=""></th72>	c tank leachate	
2.00 pps)         70 pps         70 pps         70 pps         70 pps         2.00 pps         ND - 2.0 pps         VES         Meebed           Atraine (pp)         4 pps         4 pps         0.00 pps         2.8 pps         ND - 2.8 pps         VES         Meebed           Smaller (pp)         4 pps         4 pps         0.00 pps         0.00 pps         0.00 pps         0.00 pps         0.00 pps         VES         Meebed           Tubidary         NA         5 NT         NA         0.004 NTU         0.001 - 0.00 NTU         VES         Sala           Tubidary         NA         6 NA         0.004 NTU         0.004 NTU         0.001 - 0.00 NTU         VES         Sala           Secondary Oboling Water Standards:         NA         0.004 NTU         0.004 NTU         VES         Sala           Secondary Oboling Water Standards:         NA         2.00 pps         38 pp         150 ppm         ND - 0.75 ppd         NA         Natural deposite           Manimum (ps)         NA         2.00 ppm         34 ppd         150 ppm         ND - 0.75 ppd         NA         Natural deposite           Manimum (ps)         NA         2.00 ppm         150 ppm         ND - 0.75 ppd         NA         NA         Natural deposite		
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Tendeday:         TT           Tackdady: (NTU)         NNA         1 NTU         0.064 NTU         0.019 - 0.26 NTU         YES         Soli n           Tackdady: (NTU)         NA         9% 0.3 NTU         NA         NA         NA         100%         YES         Soli n           Tackdady: (NTU)         NA         NA         NA         NA         100%         YES         Soli n           Secondary Diraking Webr Standards:         MCLG (God         Soli n         Social not	le runoff	
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Turbidity (\$ below TI)         NA         NA<		
Secondary standards are non-modalory guidelines established by the EPA to assist utilities in managing dinking wat considerations, and as take, ober, and coins. These contaminants are not considered to present a risk to human head present and the standards.           Secondary standards.         NCL (Gos)         SMC.         Secondary standards are non-modalory guidelines established by the EPA to assist utilities in managing dinking wat considered interval and the standards.         NA         Secondary standards are non-modalory guidelines established by the EPA to assist utilities in managing dinking wat standards.           Alminum (geb)         NA         250 pph         84 pph         175 pph         ND - 175 pph         NA         NA         Natal deposits.           Choride (ppm)         NIA         250 pph         64 ppm         156 pph         21 - 156 ppm         NA         Erceion of ratal leadeses(ppm)           Indeposes (ppm)         NIA         0.35 ppm         0.41 ppm         0.65 ppm         ND - 0.65 ppm         NIA         Erceion of ratal leade           Metalachlor (ppb)         NIA         0.55 ppm         0.41 ppm         0.87 ppm         NIA         Erceion of ratal leade           Metalachlor (ppb)         NIA         0.55 ppm         0.41 ppm         0.87 pph         NIA         Erceion of ratal leade           Metalachlor (ppb)         NIA         0.50 ppm         1.57 pph         NIA	unoff	
Bacchair both the state back and back the state back and back the state back the s		
Animum (ppb)         NA         200 ppb         38 ppb         175 ppb         ND - 175 ppb         NA         NA         NA         NA           Chlorde (ppm)         NA         220 pp         64 ppm         156 ppm         21-156 ppm         NA         NA         Statut		
Chorde (ppm)NA250 pm64 pm156 pm21 · 156 ppmNANANatural deposite additionalHardness (ppm)NANA312 ppm471 ppm160 · 471 ppmNAErsion of natural leadInon (ppm)NA0.3 ppmND0.661 ppmND · 0.061 ppmNAErsion of natural leadMaganese (ppm)NA0.05 ppm0.41 ppm0.87 ppmND · 0.051 ppmNAHericid leadMaganese (ppm)NA0.05 ppm0.41 ppm0.87 ppmND · 0.43 ppbNAHericid leadMetolachtor (ppb)NANA0.11 ppb0.43 ppbND · 0.43 ppbNAHericid leadMick (ppb)100 ppbNA6.5 · 8.57.708.236.96 · 8.23NAHericid leadSolum (ppm)NA500 ppm45 ppm167 ppm7.9 · 167 ppmNAIeadSulfak (ppm)NA500 ppm45 ppm167 ppm7.9 · 167 ppmNAIeadSulfak (ppm)NA500 ppm45 ppm10.0 · 57 ppbNAIeadChybopordism (org 10.1)NA10.7196ND · 167 ppmNAIeadChybopordism (org 10.1)NANA10.7196ND · 160 pyst / 10.NANatural is of the second of natural is of the second of natural is of the second of natural is of the second of		
Chords (ppm)         N/A         250 ppm         64 ppm         156 ppm         21-156 ppm         N/A         add           Hardness (ppm)         N/A         N/A         312 ppm         471 ppm         160-471 ppm         N/A         Erresion of nat leads           tron (ppm)         N/A         0.3 ppm         N/D         0.061 ppm         N/D         0.061 ppm         N/A         Erresion of nat lead           Manganese (ppm)         N/A         0.05 ppm         0.41 ppm         0.87 ppm         N/D         0.087 pph         N/A         Erresion of nat lead           Metolachlor (pbb)         N/A         0.05 ppm         0.41 ppm         0.87 ppm         N/D         0.43 ppb         N/A         Erresion of nat lead           Metolachlor (pbb)         N/A         100 ppb         N/A         BDL         2.1 ppb         N/A         Erresion of nat lead           Solum (ppm)         N/A         65 - 85         7.70         8.23         6.96 - 8.23         N/A         Iead           Solum (ppm)         N/A         150 ppm         167 ppm         12 - 125 ppm         N/A         Iead           Solum (pm)         N/A         150 ppm         167 ppm         N/D - 32 cocysts / 10L         N/A         Iead		
Hardness (gpm)         NA         N/A         312 ppm         471 ppm         150 - 471 ppm         N/A         Ieado           tron (ppm)         N/A         0.3 ppm         N/D         0.061 ppm         ND - 0.061 ppm         N/A         Froison of nat leado           Manganese (ppm)         N/A         0.05 ppm         0.41 ppm         0.87 ppm         ND - 0.67 ppb         N/A         Froison of nat leado           Metolachlor (ppb)         N/A         0.05 ppm         0.41 ppm         0.87 ppm         ND - 0.43 ppb         N/A         Herbididididididididididididididididididid	itive	
Iron ppm)         NNA         0.3 ppm         ND         0.061 ppm         NN-0.061 ppm         NNA         Iead           Manganese (ppm)         NNA         0.05 ppm         0.41 ppm         0.87 ppm         NN-0.87 ppb         NNA         Errosion of nature state           Metolachlor (ppb)         NNA         0.11 ppb         0.43 ppb         NN-0.43 ppb         NNA         Herbidd           Nickel (ppb)         100 ppb         NNA         6.5 - 8.5         7.70         8.23         6.96 - 8.23         NNA         Errosion of nature state           Sdidun (ppm)         NNA         5.5 - 8.5         7.70         8.23         6.96 - 8.23         NNA         Errosion of nature state         Errosion of	hing	
Manganese (ppm)         N/A         0.05 ppm         0.41 ppm         0.87 ppm         ND<0.67 ppb         N/A         Iead           Metolachlor (ppb)         N/A         N/A         0.11 ppb         0.43 ppb         ND<0.43 ppb	hing	
Nickel (ppb)         100 ppb         N/A         BDL         2.1 ppb         ND - 2.1 ppb         N/A         Erosion of nat lead           pH (Standard Units)         N/A         6.5 - 8.5         7.70         8.23         6.96 - 8.23         N/A         Iead           Sodium (ppm)         N/A         N/A         38 ppm         125 ppm         12-125 ppm         N/A         Iead           Sulfate (ppm)         N/A         250 ppm         45 ppm         167 ppm         7.9 - 167 ppm         N/A         Iead           Sulfate (ppm)         N/A         250 ppm         45 ppm         167 ppm         7.9 - 167 ppm         N/A         Iead           Zinc (ppb)         N/A         5000 ppb         BOL         5.7 ppb         ND - 5.7 ppb         N/A         Iead           Untreated Source Water:            Sodium (org/10L)         N/A         1.5         32         ND - 32 ocysts / 10L         N/A         Neturally pr           Coptosporidium (org/10L)         N/A         N/A         1.0.7         196         ND - 196 oysts / 10L         N/A         eavitally pr           TOC (Untreated Water, ppm)         N/A         N/A         3.8 ppm         6.0 ppm         2.6 - 6.0 ppm         N/A		
Nickel (ppb)         100 ppb         NA         BOL         2.1 ppb         ND - 2.1 ppb         NA         lead           pH (Standard Units)         NA         6.5 - 8.5         7.70         8.23         6.96 - 8.23         NA         Erosion of nat           Sodium (ppm)         NA         N/A         38 ppm         125 ppm         12 - 125 ppm         N/A         Erosion of nat           Sulfate (ppm)         N/A         250 ppm         45 ppm         167 ppm         7.9 - 167 ppm         N/A         Erosion of nat           Zinc (ppb)         N/A         5000 ppb         BDL         5.7 ppb         N/D - 5.7 ppb         N/A         Natural (           Untreated Source Water:           Sulfate (pg/10.)         N/A         N/A         1.5         32         ND - 5.7 ppb         N/A         Natural (           Giardia (org/10.)         N/A         N/A         1.5         32         ND - 5.7 ppb         N/A         Natural (           Clyptosportidum (org/10.)         N/A         N/A         1.5         32         ND - 32 oocysts / 10.         N/A         Sulfate (pg/10.)         N/A         Natural (         eerot on environ           TOC (Untreated Water, ppm)         N/A         N/A	le runoff	
Sodium (ppm)         N/A         N/A         N/A         38 ppm         125 ppm         12 - 125 ppm         N/A         Erosion of nat lead           Sulfate (ppm)         N/A         250 ppm         45 ppm         167 ppm         7.9 - 167 ppm         N/A         Erosion of nat lead           Zinc (ppb)         N/A         5000 ppb         BDL         5.7 ppb         ND - 5.7 ppb         N/A         NAA         Natural of lead           Untreated Source Water:           N/A         N/A         N/A         N/A         Natural of lead           Giardia (org/10L)         N/A         N/A         1.5         32         ND - 32 cocysts / 10L         N/A         Natural of lead           TOC (Untreated Water, ppm)         N/A         N/A         10.7         196         ND - 196 cysts / 10L         N/A         Natural of lead           TOC (Untreated Water, ppm)         N/A         N/A         3.8 ppm         6.0 ppm         2.6 - 6.0 ppm         N/A         Natural of lead         Natural of lead           Choirine (as Cl2)         4 ppm         4 ppm         1.7 ppm         2.9 ppm         0.020 - 2.9 ppm         YES         Water additive micro           Copper (apm) [2019 Data]         1.3 ppm         1.3 ppm         0.14		
Sodium (ppm)         N/A         N/A         N/A         38 ppm         125 ppm         12 - 125 ppm         N/A         Erosion of nat lead           Sulfate (ppm)         N/A         250 ppm         45 ppm         167 ppm         7.9 - 167 ppm         N/A         Erosion of nat lead           Zinc (ppb)         N/A         5000 ppb         BDL         5.7 ppb         ND - 5.7 ppb         N/A         NiA         Itead           Untreated Source Water:           Sulfate (prm/)         N/A         N/A         1.5         32         ND - 32 cocysts / 10L         N/A         Natural of transition of nat lead           Giardia (org/10L)         N/A         N/A         1.5         32         ND - 32 cocysts / 10L         N/A         Natural of transition of nat lead           TOC (Untreated Water, ppm)         N/A         N/A         1.0.7         196         ND - 196 cysts / 10L         N/A         Natural of transition of nat sufficianapolis           Disinfectant Residual:         MRDLG         MRDLG         MRDL         N/A         3.8 ppm         6.0 ppm         2.6 - 6.0 ppm         N/A         Water additive micro           Copper (add (add))         (add) for         AL         VES         Corrosion of cus (0 of 55 > AL)         VES         Cor		
Sulfate (ppm)         N/A         250 ppm         45 ppm         167 ppm         7.9 - 167 ppm         N/A         Erosion of nat lead           Zinc (ppb)         N/A         5000 ppb         BDL         5.7 ppb         ND - 5.7 ppb         N/A         Natural ( lead)           Untreated Source Water:		
Zinc (ppb)         N/A         5000 ppb         BDL         5.7 ppb         ND - 5.7 ppb         N/A         Natural of the second se	tural deposits;	
Untreated Source Water:         N/A         N/A         1.5         32         ND - 32 oocysts / 10L         N/A           Giardia (org/10L)         N/A         N/A         1.5         32         ND - 32 oocysts / 10L         N/A           Giardia (org/10L)         N/A         N/A         10.7         196         ND - 196 cysts / 10L         N/A           Giardia (org/10L)         N/A         N/A         10.7         196         ND - 196 cysts / 10L         N/A           Giardia (org/10L)         N/A         N/A         10.7         196         ND - 196 cysts / 10L         N/A           TOC (Untreated Water, ppm)         N/A         N/A         3.8 ppm         6.0 ppm         2.6 - 6.0 ppm         N/A         enviroi           Indianapolis            N/A         3.8 ppm         6.0 ppm         2.6 - 6.0 ppm         N/A         enviroi           Chorine (as Cl2)          4 ppm         1.7 ppm         2.9 ppm         0.020 - 2.9 ppm         YES         micro           Copper and Lead (Indianapolis)         MCLG         AL           0.14 ppm         1.1 ppm         (0 of 55 > AL)         YES         Corrosion of cus           Lead (ppb) [2019 Data]         0		
Cryptosporidium (org/10L)N/AN/A1.532ND - 32 oocysts / 10LN/AN/AGiardia (org/10L)N/AN/A10.7196ND - 196 cysts / 10LN/AN/ATOC (Untreated Water, ppm)N/AN/A10.7196ND - 196 cysts / 10LN/AN/ATOC (Untreated Water, ppm)N/AN/A3.8 ppm6.0 ppm2.6 - 6.0 ppmN/AN/AenvironIndianapolisMRDLGMRDLGMRDLVVVVVVVVChlorine (as Cl2)4 ppm4 ppm1.7 ppm2.9 ppm0.020 - 2.9 ppmYESmicroCopper and Lead (Indianapolis)MCLGALVVMater additiveCopper (ppm) [2019 Data]1.3 ppm1.3 ppm0.14 ppm1.1 ppm0.27 ppm is the 90th Percentile (0 of 55 > AL)YESCorrosion of cusLead (pb) [2019 Data]0 ppb15 pbb2.6 pbb15 ppb0 of 55 > AL)YESCorrosion of cusOrganic Disinfection By-products (Indianapolis)080 ppb54 ppb54 ppb54 ppbBy-product of	Jeposits	
Giardia (org/10L)     N/A     N/A     N/A     10.7     196     ND - 196 cysts / 10L     N/A       TOC (Untreated Water, ppm)     N/A     N/A     N/A     3.8 ppm     6.0 ppm     2.6 - 6.0 ppm     N/A     Naturally previous       Indianapolis     MRDLG     MRDL     MRDL     Value     Value     Value       Chlorine (as Cl2)     4 ppm     4 ppm     1.7 ppm     2.9 ppm     0.020 - 2.9 ppm     YES     micro       Copper and Lead (Indianapolis)     MCLG     AL     AL     Corrosion of cus     Corrosion of cus       Lead (ppb) [2019 Data]     1.3 ppm     1.3 ppm     0.14 ppm     1.1 ppm     0.27 ppm is the 90th Percentile (0 of 55 > AL)     YES     Corrosion of cus       Lead (ppb) [2019 Data]     0 ppb     15 ppb     2.6 ppb     15 ppb     0 of 55 > AL)     YES     Corrosion of cus       Organic Disinfection By-products (Indianapolis)     0     80 ppb     54 ppb     54 ppb     By-product of		
TOC (Untreated Water, ppm)     N/A     N/A     3.8 ppm     6.0 ppm     2.6 - 6.0 ppm     N/A     Naturally previous environments       Indianapolis     MRDLG     MRDLG     MRDL     Value     Value     Value     Value       Disinfectant Residual:     MRDLG     MRDL     Value		
Indianapolis         Disinfectant Residual:       MRDLG       MRDL         Choirine (as Cl2)       4 ppm       4 ppm       1.7 ppm       2.9 ppm       0.020 - 2.9 ppm       YES       Water additive micro         Copper and Lead (Indianapolis)       MCLG       AL       Corrosion of cus         Copper (ppm) [2019 Data]       1.3 ppm       1.3 ppm       0.14 ppm       1.1 ppm       0.27 ppm is the 90th Percentile (0 of 55 > AL)       YES       Corrosion of cus         Lead (ppb) [2019 Data]       0 ppb       15 ppb       2.6 ppb       15 ppb       4.8 ppb is the 90th Percentile (0 of 55 > AL)       YES       Corrosion of cus         Organic Disinfection By-products (Indianapolis)       0 ppb       15 ppb       2.6 ppb       15 ppb       0 of 55 > AL)       YES       Corrosion of cus         Organic Disinfection By-products (Indianapolis)       80 ppb       54 ppb       54 ppb       By-product of	esent in the	
Disinfectant Residual:     MRDLG     MRDL       Disinfectant Residual:     4 ppm     4 ppm     1.7 ppm     2.9 ppm     0.020 - 2.9 ppm     YES     Water additive milerer       Chlorine (as Cl2)     4 ppm     4 ppm     1.7 ppm     2.9 ppm     0.020 - 2.9 ppm     YES     Water additive milerer       Copper and Lead (Indianapolis)     MCLG     AL     Corrosion of cus     Corrosion of cus     Corrosion of cus       Copper (ppm) [2019 Data]     1.3 ppm     1.3 ppm     0.14 ppm     1.1 ppm     0.27 ppm is the 90th Percentile (0 of 55 > AL)     YES     Corrosion of cus       Lead (ppb) [2019 Data]     0 ppb     15 ppb     2.6 ppb     15 ppb     4.8 ppb is the 90th Percentile (0 of 55 > AL)     YES     Corrosion of cus       Organic Disinfection By-products (Indianapolis)     0 ppb     15 ppb     2.6 ppb     15 ppb     (0 of 55 > AL)     YES     Corrosion of cus	nment	
Chlorine (as Cl2)     4 ppm     4 ppm     1.7 ppm     2.9 ppm     0.020 - 2.9 ppm     YES     Water additive micro       Copper and Lead (Indianapolis)     MCLG     AL       Copper (ppm) [2019 Data]     1.3 ppm     1.3 ppm     0.14 ppm     1.1 ppm     0.27 ppm is the 90th Percentile (0 of 55 > AL)     YES     Corrosion of cus       Lead (ppb) [2019 Data]     0 ppb     15 ppb     2.6 ppb     15 ppb     4.8 pp is the 90th Percentile (0 of 55 > AL)     YES     Corrosion of cus       Corganic Disinfection By-products (Indianapolis)     0 ppb     15 ppb     2.6 ppb     15 ppb     4.8 pp is the 90th Percentile (0 of 55 > AL)     YES     Corrosion of cus		
Chlorine (as Cl2)         4 ppm         4 ppm         1.7 ppm         2.9 ppm         0.020 - 2.9 ppm         YES         micro           Copper and Lead (Indianapolis)         MCLG         AL         Second Secon	used to control	
Copper (ppm) [2019 Data]         1.3 ppm         1.3 ppm         0.14 ppm         1.1 ppm         0.27 ppm is the 90th Percentile (0 of 55 > AL)         YES         Corrosion of cus           Lead (ppb) [2019 Data]         0 ppb         15 ppb         2.6 ppb         15 ppb         4.8 ppb is the 90th Percentile (0 of 55 > AL)         YES         Corrosion of cus           Organic Disinfection By-products (Indianapolis)         80 ppb         54 ppb         54 ppb         By-product of		
Copper (ppm) [2019 Data]         1.3 ppm         1.3 ppm         0.14 ppm         1.1 ppm         (0 of 55 > AL)         YES         Corrosion of cus           Lead (ppb) [2019 Data]         0 pb         15 ppb         2.6 ppb         15 ppb         (0 of 55 > AL)         YES         Corrosion of cus           Organic Disinfection By-products (Indianapolis)         0 pb         15 ppb         2.6 ppb         15 ppb         (0 of 55 > AL)         YES         Corrosion of cus           Organic Disinfection By-products (Indianapolis)         0 pb         15 ppb         54 ppb         54 ppb         By-product of		
Lead (ppb)     [2019 Data]     0 ppb     15 ppb     2.6 ppb     15 ppb     (0 of 55 > AL)     YES     Corrosion of cus       Organic Disinfection By-products (Indianapolis)     80 ppb     54 ppb     54 ppb     By-product of	stomer plumbing	
80 ppb 54 ppb By-product of	stomer plumbing	
	f chlorination ment	
60 ppb 40 ppb By-product of	f chlorination ment	
Microorganisms (Indianapolis)		
E coli 0 1 ND ND YES Human and anir	mal fecal waste	
E com res relation res res relation res res	esent in the	
	mient	
Radionuclides (Indianapolis): [2019 Data]		
Combined Radium (-226 & -228)         0         5 pCi/L         N/A         1.73 pCi/L         0.5 - 1.73 pCi/L         YES         Erosion of nate	tural danaaita	
Combined Uranium         0         30 ppb         N/A         9.7 ppb         ND - 9.7 ppb         YES         Erosion of nate		
Gross Alpha, Excl. Radon & Uranium 0 15 pCi/L N/A 6.7 pCi/L -0.28 - 6.7 pCi/L YES Erosion of nat *EPA uses the Unregulated Contaminant Monitoring Rule (UCMR) to collect data for contaminants that are suspected to be present in driv		
Additional Detected 2019 Monitoring Required by EPA (UCMR 4) do not have health-based standards set under the Safe Drinking Water Act (SDWA).	tural deposits	
Haloacetic acids (HAA5)         N/A         60 ppb         24 ppb         35 ppb         4.2 - 35 ppb         N/A         By-product of treatr	itural deposits itural deposits nking water and	

#### Citizens Energy Group--Indianapolis and Morgan County Consumer Confidence Report Data 2019

Contaminant	MCLG (Goal)	MCL (Limit)	Average of All Samples	Maximum of All Samples	2019 System Wide Range	Compliance Achieved	Possible Source
Haloacetic acids (HAA6)	N/A	N/A	11.9 ppb	19 ppb	3.8 - 19 ppb	N/A	By-product of chlorination treatment
Haloacetic acids (HAA9)	N/A	N/A	35 ppb	52 ppb	7.4 - 52 ppb	N/A	By-product of chlorination treatment
Manganese (ppm)	N/A	0.05 ppm	0.41 ppb	0.87 ppb	ND - 0.87 ppb	N/A	Erosion of natural deposits; leaching
Morgan County							
Disinfectant Residual:	MRDLG	MRDL					
Chlorine (as Cl2)	4 ppm	4 ppm	1.2 ppm	1.8 ppm	0.70 - 1.8 ppm	YES	Water additive used to control microbes.
Copper and Lead (Morgan County)	MCLG	AL					
Copper (ppm) [2018 Data]	1.3 ppm	1.3 ppm	0.070 ppm	0.16 ppm	0.12 ppm is the 90th Percentile (0 of 24 > AL)	YES	Corrosion of customer plumbing
Lead (ppb) [2018 Data]	0 ppb	15 ppb	1.2 ppb	7.7 ppb	3.5 ppb is the 90th Percentile (0 of 24 > AL)	YES	Corrosion of customer plumbing
Organic Disinfection By-products (Morgan County)							
Total Trihalomethanes (TTHMs)	N/A	80 ppb	11 ppb	11.3 ppb	10.9 - 11.3 ppb	YES	By-product of chlorination treatment
Haloacetic acids (HAA5)	N/A	60 ppb	3.2 ppb	3.2 ppb	3.1 - 3.2 ppb	YES	By-product of chlorination treatment
Microorganisms (Morgan County)							
E coli	0	1	ND	ND	ND	YES	Human and animal fecal waste
Total Coliforms	N/A	5.0%	ND	ND	ND	YES	Naturally present in the environment