

**Citizens Energy Group--Indianapolis, Morgan County, Plainfield, and Citizens Southern Madison
Consumer Confidence Report Data 2014**

Contaminant	MCLG (Goal)	MCL (Limit)	2014 Results System Wide	Compliance Achieved	Possible Source
Inorganics:					
Arsenic (ppb)	0 ppb	10 ppb	ND	Yes	Natural Deposits
Barium (ppm)	2 ppm	2 ppm	0.10 (0.029 - 0.28)	Yes	Natural Deposits
Chromium (ppb)	100 ppb	100 ppb	BDL (ND - 2.2)	Yes	Natural Deposits
Fluoride (ppm)	4 ppm	4 ppm	0.78 (0.071 - 1.1)	Yes	natural deposits & treatment additive
Nitrate (ppm)	10 ppm	10 ppm	0.89 (ND - 5.9)	Yes	Fertilizer, septic tank leachate
Disinfectant Residual:					
	MRDLG	MRDL			
Chlorine (as Cl2)	4 ppm	4 ppm	1.4 (ND - 2.7)	Yes	Water additive used to control microbes.
Other Regulated Organics:					
Alachlor (ppb)	3 ppb	3 ppb	BDL (ND - 1.4)	Yes	Herbicide runoff
2,4-D (ppb)	70 ppb	70 ppb	BDL (ND - 2.0)	Yes	Herbicide runoff
Atrazine (ppb)	3 ppb	3 ppb	0.61 (ND - 2.5)	Yes	Herbicide runoff
Benzo[a]pyrene	0 ppb	0.20 ppb	BDL (ND - 0.040)	Yes	
cis-1,2-Dichloroethylene (ppb)	70 ppb	70 ppb	BDL (ND - 0.74)	Yes	Discharge from industrial sources
Simazine (ppb)	4 ppb	4 ppb	0.056 (ND - 1.1)	Yes	Herbicide runoff
Turbidity: See Note Below					
		TT			
Turbidity (NTU)	N/A	1 NTU	0.35 (maximum)	Yes	Soil runoff
Turbidity (% below TT)	N/A	95% <0.3 NTU	100%	Yes	Soil runoff
Secondary Drinking Water Standards and Other Unregulated Contaminant Monitoring:					
	MCLG (Goal)	SMCL			
Aluminum (ppb)		200 ppb	26 (ND - 90)	N/A	Natural deposits; water treatment additive
Chloride (ppm)		250 ppm	63 (16 - 110)	N/A	Natural deposits; water treatment additive
Dicamba (ppb)		N/A	BDL (ND - 0.10)	N/A	Herbicide runoff
Hardness (ppm)		N/A	300 (130 - 430)	N/A	Erosion of natural deposits; leaching
Iron (ppm)		0.3 ppm	BDL (ND - 0.039)	N/A	Erosion of natural deposits; leaching
Manganese (ppm)		0.05 ppm	ND	N/A	Erosion of natural deposits; leaching
Metolachlor (ppb)		N/A	BDL (ND - 1.4)	N/A	Herbicide runoff
Nickel (ppb)	100 ppb	N/A	BDL (ND - 2.5)	N/A	Erosion of natural deposits; leaching
pH (Standard Units)		6.5 - 8.5	7.50 (6.90 - 7.99)	N/A	
Sodium (ppm)		N/A	37 (5.3 - 98)	N/A	Erosion of natural deposits; leaching
Sulfate (ppm)		250 ppm	57 (18 - 164)	N/A	Erosion of natural deposits; leaching
Zinc (ppb)		5000 ppb	BDL (ND - 20)	N/A	Natural deposits
Untreated Source Water:					
Cryptosporidium (org/10L)			1.2/ <1/ <1/ <1/	N/A	* (See special note on page 5)
Giardia (org/10L)			1.2/ 2.5/ <1/ 2.5	N/A	* (See special note on page 5)
TOC (Untreated Water, ppm)	N/A	N/A	3.7 (2.3 - 8.1)	N/A	Naturally present in the environment
Indianapolis					
Copper and Lead (Indianapolis)					
	MCLG	AL			
Copper (ppm) [2012 Data]	1.3 ppm	1.3 ppm	0.17 (1 of 57 > AL)	Yes	Corrosion of customer plumbing
Lead (ppb) [2012 Data]	0 ppb	15 ppb	14 (5 of 57 > AL)	Yes	Corrosion of customer plumbing
Organic Disinfection By-products (Indianapolis)					
Total Trihalomethanes (TTHMs)	N/A	80 ppb	69 (19 - 77) Highest Locational Running Annual Average	Yes	By-product of chlorination treatment
Haloacetic acids (HAA5)	N/A	60 ppb	56 (16 - 70) Highest Locational Running Annual Average	Yes	By-product of chlorination treatment
Microorganisms (Indianapolis)					
E coli	0	1	0	Yes	Human and animal fecal waste
Total Coliforms		5.0%	0.38% (0% - 1.9%)	Yes	Naturally present in the environment
Cryptosporidium (org/10L)	0 org/10L	TT	No Organisms Found	Yes	Removed during treatment
Giardia (org/10L)	0 org/10L	TT	No Organisms Found	Yes	Removed during treatment
Radionuclides (Indianapolis): [2010 Data]					
Beta/Photon Emitters (pCi/yr)	0	50	0.9 - 10.2	Yes	Erosion of natural deposits
Combined Radium-226/228 (pCi/L)	0	5	0.58 - 2.1	Yes	Erosion of natural deposits
Gross alpha excluding radon and uranium	0	15	1.6 - 4.4	Yes	Erosion of natural deposits
Uranium	0	30	0.253 - 1.22	Yes	Erosion of natural deposits
Morgan County					

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Copper and Lead (Morgan County)					
	MCLG	AL			
Copper (ppm) [2012 Data]	1.3 ppm	1.3 ppm	0.16 (0 of 26 > AL)	Yes	Corrosion of customer plumbing
Lead (ppb) [2012 Data]	0 ppb	15 ppb	3.9 (0 of 26 > AL)	Yes	Corrosion of customer plumbing
Organic Disinfection By-products (Morgan County)					
Total Trihalomethanes (TTHMs)	N/A	80 ppb	11	Yes	By-product of chlorination treatment
Haloacetic acids (HAA5)	N/A	60 ppb	8.7	Yes	By-product of chlorination treatment
Microorganisms (Morgan County)					
E coli	0	1	0	Yes	Human and animal fecal waste
Total Coliforms		5.0%	0	Yes	Naturally present in the environment
Plainfield					
Copper and Lead (Plainfield)					
	MCLG	AL			
Copper (ppm) [2013 Data]	1.3 ppm	1.3 ppm	0.64 (2 of 24 >AL)	Yes	Corrosion of customer plumbing
Lead (ppb) [2013 Data]	0 ppb	15 ppb	0.64 (0 of 24 >AL)	Yes	Corrosion of customer plumbing
Organic Disinfection By-products (Plainfield)					
Total Trihalomethanes (TTHMs--2013 Data)	N/A	80 ppb	21 (17 - 21)	Yes	By-product of chlorination treatment
Haloacetic acids (HAA5--2013 Data)	N/A	60 ppb	22 (6.6 - 22)	Yes	By-product of chlorination treatment
Microorganisms (Plainfield)					
E coli	0	1	0	Yes	Human and animal fecal waste
Total Coliforms		5.0%	0	Yes	Naturally present in the environment
Southern Madison					
Copper and Lead (Southern Madison)					
	MCLG	AL			
Copper (ppm) [2012 Data]	1.3 ppm	1.3 ppm	0.17 (0 of 5 >AL)	Yes	Corrosion of customer plumbing
Lead (ppb) [2012 Data]	0 ppb	15 ppb	1.6 (0 of 5 >AL)	Yes	Corrosion of customer plumbing
Organic Disinfection By-products (Southern Madison)					
Total Trihalomethanes (TTHMs)	N/A	80 ppb	12 (2.7 - 28)	Yes	By-product of chlorination treatment
Haloacetic acids (HAA5)	N/A	60 ppb	5.1 (3.5 - 6.6)	Yes	By-product of chlorination treatment
Microorganisms (Southern Madison)					
E coli	0	1	0	Yes	Human and animal fecal waste
Total Coliforms		5.0%	0	Yes	Naturally present in the environment
Radionuclides (Southern Madison): [2009 Data]					
Beta/Photon Emitters (pCi/yr)	0	50	0	Yes	Erosion of natural deposits
Combined Radium-226/228 (pCi/L)	0	5	0	Yes	Erosion of natural deposits
Gross alpha excluding radon and uranium	0	15	1.1	Yes	Erosion of natural deposits
Uranium	0	30	0	Yes	Erosion of natural deposits

** On July 13, 2014 Citizens Water failed to provide continuous monitoring of an individual filter at our T.W. Moses treatment facility. An Individual Filter Turbidity meter was not recording any data, and the system failed to conduct grab sampling every four hours. This is not an immediate risk. If it had been you would have been notified immediately.

Note: **The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, is more than one year old. Some contaminants are sampled less frequently than once a year; as a result, not all contaminants were sampled for during the CCR calendar year. If any of these contaminants were detected the last time they were sampled for, they are included in the table along with the date that the detection occurred. Compliance monitoring for lead and copper is conducted every 3 years. Radiochemical contaminant monitoring is conducted every 9 years.