

water utility, please contact Brady King, Administrative Operations Coordinator, at 501-847-8083. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Tuesday of each month at 6:00 PM at the City of Bryant Courtroom.

TEST RESULTS

We and Central Arkansas Water routinely monitor for contaminants in your drinking water according to Federal and State laws. The test results table shows the results of our monitoring for the period of January 1st to December 31st, 2011. In the table you might find terms and abbreviations you are not familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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) - unenforceable public health 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.

Maximum Residual Disinfectant Level (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 (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

Nephelometric Turbidity Unit (NTU) - a unit of measurement for the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Parts per billion (ppb) - a unit of measurement for detected levels of contaminants in drinking water. One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per million (ppm) - a unit of measurement for detected levels of contaminants in drinking water. One part per million corresponds to one minute in two years or a single penny in \$10,000.

WTP - Water Treatment Plant

MICROBIOLOGICAL CONTAMINANTS						
Contaminant	Violation Y/N	Level Detected	Unit	MCLG (Public Health Goal)	MCL (Allowable Level)	Major Sources in Drinking Water
Total Coliform Bacteria (Bryant Waterworks)	N	1 Positive in September	Present	0	1 positive sample per month	Naturally present in the environment
TURBIDITY						
Contaminant	Violation Y/N	Level Detected	Unit	MCLG (Public Health Goal)	MCL (Allowable Level)	Major Sources in Drinking Water
Turbidity (Central Ark. Water Ozark Point WTP)	N	Highest yearly sample result: 0.46 Lowest monthly % of samples meeting the turbidity limit: 98.9%	NTU	NA	Any measurement in excess of 1 NTU constitutes a violation A value less than 95% constitutes a violation	Soil runoff
Turbidity (Central Ark. Water Jack Wilson WTP)	N	Highest yearly sample result: 0.20 Lowest monthly % of samples meeting the turbidity limit: 100%	NTU	NA	Any measurement in excess of 1 NTU constitutes a violation A value less than 95% constitutes a violation	Soil runoff
♦ Turbidity is a measurement of the cloudiness of water. Central Arkansas Water monitors it because it is a good indicator of the effectiveness of their filtration system.						
INORGANIC CONTAMINANTS						
Contaminant	Violation Y/N	Level Detected	Unit	MCLG (Public Health Goal)	MCL (Allowable Level)	Major Sources in Drinking Water
Fluoride (Central Ark. Water - Ozark Point WTP)	N	Highest Running Annual Average: 0.87 Range: 0.73 - 1.02	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth
Fluoride (Central Ark. Water - Jack Wilson WTP)	N	Highest Running Annual Average: 0.86 Range: 0.66 - 1.01	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth
LEAD AND COPPER TAP MONITORING						
Contaminant	Number of Sites over Action Level	90 th Percentile Result	Unit	Action Level	Major Sources in Drinking Water	
Lead (Bryant Waterworks)	0	<0.003	ppm	0.015	Corrosion from household plumbing systems; erosion of natural deposits	
Copper (Bryant Waterworks)	0	<0.20	ppm	1.3	Corrosion from household plumbing systems; erosion of natural deposits	
♦ We are currently on a reduced monitoring schedule and required to sample once every three years for lead and copper at the customers' taps. The results above are from our last monitoring period in 2011. Our next required monitoring period is in 2014.						
TOTAL ORGANIC CARBON						
♦ The percentage of Total Organic Carbon (TOC) removal was routinely monitored by Central Arkansas Water in 2011, and all TOC removal requirements set by USEPA were met. Total organic carbon (TOC) has no health effects. However, total organic carbon provides a medium for the formation of disinfection by-products. These by-products include trihalomethanes (THMs) and haloacetic acids (HAAs).						
REGULATED DISINFECTANTS						
Disinfectant	Violation Y/N	Level Detected	Unit	MRDLG (Public Health Goal)	MRDL (Allowable Level)	Major Sources in Drinking Water
Chlorine (Bryant Waterworks)	N	Average: 0.53 Range: 0.2 - 2.2	ppm	4	4	Water additive used to control microbes
BY-PRODUCTS OF DRINKING WATER DISINFECTION						
Contaminant	Violation Y/N	Level Detected	Unit	MCLG (Public Health Goal)	MCL (Allowable Level)	
HAA5 [Haloacetic Acids] (Bryant Waterworks)	N	Highest Running 12 Month Average: 17 Range: 2.7 - 26.6	ppb	0	60	
TTHM [Total Trihalomethanes] (Bryant Waterworks)	N	Highest Running 12 Month Average: 65 Range: 32.7 - 95.8	ppb	NA	80	
♦ While only the upper end of the range for TTHMs exceeded the MCL, it should be noted that some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.						
UNREGULATED CONTAMINANTS						
Contaminant (Both WTPs)	Level Detected	Unit	MCLG (Public Health Goal)	Major Sources in Drinking Water		
Chloroform (Central Arkansas Water)	Average: 23.5 Range: 5.13 - 41.8	ppb	70	By-product of drinking water disinfection		
Bromodichloromethane (Central Arkansas Water)	Average: 3.68 Range: 0.84 - 6.52	ppb	0			
Dibromochloromethane (Central Arkansas Water)	0.60	ppb	60			
♦ Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. MCLs (Maximum Contaminant Levels) and MCLGs (Maximum Contaminant Level Goals) have not been established for all unregulated contaminants.						
VIOLATIONS - Bryant Waterworks						
TYPE: Bacteriological Sampling	FROM:	TO:	CORRECTIVE ACTION:			
Failed to take bacteriological samples in multiple sampling periods	11/1/2011	11/30/2011	Resumed bacteriological monitoring as required by state and federal regulations			

2012 CITY OF BRYANT - SCHEDULED MEETINGS

WATER COMMITTEE	6:00PM
PARKS COMMITTEE	6:00PM
FINANCE & PERSONNEL	5:30PM
PLANNING COMMISSION	6:00PM
HOLIDAYS	
CITY COUNCIL	7:00PM
STREET COMMITTEE	10:00AM

MARCH						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL						
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22	23	24	25	26	27	28
29	30					

MAY						
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



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