

2018 CONSUMER CONFIDENCE REPORT

Prattville Water Works Board

PWSID 0000017

IS MY WATER SAFE?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

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.

EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

WHERE DOES MY WATER COME FROM?

Our water sources come from deep wells that draw from the Tuscaloosa Aquifer, whose divisions are constituted by the Eutaw, Gordo, and Coker aquifers and from purchased water from the Five Star surface water plant. Our system utilizes a Wellhead Protection Plan.

SOURCE WATER ASSESSMENT AND ITS AVAILABILITY

Our source water assessment is complete. We are pleased to report that our drinking water is safe and meets federal and state requirements. For a copy of this report, please contact Spencer Oates Jr. at (334) 361-0098. To obtain a copy of the Five Star Water District's water assessment report should contact the plant at (334) 567-1366.

WHY ARE THERE CONTAMINANTS IN MY DRINKING WATER?

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. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

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: microbial contaminants, such as viruses and bacteria, that 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; and 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.

HOW CAN I GET INVOLVED?

We want our customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are normally held on the second Tuesday of each month at 11:15 AM. in the boardroom of the Water Works Office at 114 East Main Street in Prattville. Please confirm before attending. Board members are Terry Bowen, Chairman, Larry Puckett, and Ed Mullins.

DESCRIPTION OF WATER TREATMENT PROCESS

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

ADDITIONAL INFORMATION FOR LEAD

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. The Water Works Board of the City of Prattville is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components owned and maintained by the customer. 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 by visiting the following site: <http://www.epa.gov/safewater/lead>.

Table of Primary Contaminants

Contaminant	MCL	Amount Detected	Contaminant	MCL	Amount Detected
Bacteriological			Endothall	100 ppb	ND
Total Coliform Bacteria	< 5 %	ND	Endrin	2 ppb	ND
Turbidity	TT	0.12	Epichlorohydrin	TT	ND
Fecal coliform and E. coli	0	ND	Glyphosate	700 ppb	ND
Radiological			Heptachlor	400 ppb	ND
Beta/photon emitters (mrem/yr)	4	2.8	Heptachlor epoxide	200 ppb	ND
Alpha emitters (pCi/l)	15	5.2	Hexachlorobenzene	1 ppb	ND
Combined radium (pCi/l)	5	3.2	Hexachlorocyclopentadiene	50 ppm	ND
Uranium	30 pCi/L	ND	Lindane	200 ppb	ND
Inorganic Chemicals			Methoxychlor	40 ppb	ND
Antimony	6 ppb	.33	Oxamyl [Vydate]	200 ppb	ND
Arsenic	10 ppb	.37	PCBs	500 ppm	ND
Asbestos (MFL)	7	ND	Pentachlorophenol	1 ppb	ND
Barium	2 ppm	0.34	Picloram	500 ppb	ND
Beryllium	4 ppb	ND	Simazine	4 ppb	ND
Cadmium	5 ppb	ND	Toxaphene	3 ppb	ND
Chromium	100 ppb	ND	Benzene	5 ppb	ND
Copper	1.3 ppm	0.284	Carbon tetrachloride	5 ppb	ND
Cyanide	200 ppb	ND	Chlorobenzene	100 ppb	ND
Fluoride	4 ppm	1.2	Dibromochloropropane	200 ppm	ND
Lead	15 ppb	.0015	o-Dichlorobenzene	600 ppb	ND
Mercury	2 ppb	ND	p-Dichlorobenzene	75 ppb	ND
Nitrate	10 ppm	0.182	1,2-Dichloroethane	5 ppb	ND
Nitrite	1 ppm	ND	1,1-Dichloroethylene	7 ppb	ND
Total Nitrate and Nitrite	10 ppm	ND	cis-1,2-Dichloroethylene	70 ppb	ND
Selenium	50 ppb	ND	trans-1,2-Dichloroethylene	100 ppb	ND
Thallium	2 ppb	ND	Dichloromethane	5 ppb	ND
Organic Chemicals			1,2-Dichloropropane	5 ppb	ND
2,4-D	70 ppb	ND	Ethylbenzene	700 ppb	ND
2,4,5-TP(Silvex)	50 ppb	ND	Ethylene dibromide	50 ppb	ND
Acrylamide	TT	ND	Styrene	100 ppb	ND
Alachlor	2 ppb	ND	Tetrachloroethylene	5 ppb	ND
Atrazine	3	ND	1,2,4-Trichlorobenzene	70 ppb	ND
Benzo(a)pyrene [PAHs]	200 ppm	ND	1,1,1-Trichloroethane	200 ppb	ND
Carbofuran	40 ppb	ND	1,1,2-Trichloroethane	5 ppb	ND
Chlordane	2 ppb	ND	Trichloroethylene	5 ppb	ND
Dalapon	200 ppb	ND	TTHM	80 ppb	68.2
Di (2-ethylhexyl)adipate	400 ppb	ND	Toluene	1	ND
Di (2-ethylhexyl) phthalates	6 ppb	ND	Vinyl Chloride	2 ppb	ND
Dinoseb	7 ppb	ND	Xylenes	10 ppm	.000950
Diquat	20 ppb	ND	TOC	TT	ND
Dioxin [2,3,7,8-TCDD]	30 ppm	ND	Chlorine	4 ppm	2.3
Chloramines	4 ppm	ND	Chlorine dioxide	800 ppb	ND
Chlorite	1 ppm	ND	Bromate	10 ppb	ND
HAA5	60 ppb	29.7			

Table of Detected Contaminants

Contaminant	Year Sampled	MCL	Amount Detected	Range	Likely Sources
1,2-Dichlorobenzene	2018	130	93.7	98.4 - 93.7	Erosion of natural deposits
4-Bromofluorobenzene	2018	130	83.9	80.9 - 83.9	Erosion of natural deposits
Aluminum	2018	0.2	ND		Erosion of natural deposits
Barium	2018	2	0.034	0.025 - 0.034	Erosion of natural deposits
Chlorobenzene	2018	0.1	ND		Discharge from factories
Chloride	2018	250	9	1.5 – 9	By-product of drinking water chlorination
Chlorine	2018	4	2.3	0.8 – 2.3	Water additive used to control microbes
Fluoride	2018	2	1.4	0.4 - 1.2	Water additive used to promote strong teeth
Haloacetic Acids (HAA5)	2018	60	24.9	0.0001 – 24.9	By-product of drinking water chlorination
Manganese	2018	0.05	0.0008	0.0002 - 0.0008	Erosion of natural deposits
Nitrate	2018	10	0.288	0.11 - 0.288	Erosion of natural deposits
Sulfate	2018	500	24.7	11.5 – 24.7	Erosion of natural deposits
Total Dissolved Solids	2018	500	129	79 - 129	Erosion of natural deposits
Total Trihalomethanes	2018	80	68.2	0.001 – 68.2	By-product of drinking water chlorination
Unregulated Contaminants					
Bromodichloromethane	2018	N/A	.00342	0.0012 - .00342	By-product of chlorination
Chlorodibromomethane	2018	N/A	0.00133	0.0009-0.00133	By-product of chlorination
Chloroform	2018	N/A	.00987	0.0005 – .00987	By-product of chlorination
Dibromochloromethane	2018	N/A	2.99	0.0011 -2.99	By-product of chlorination
Alkalinity	2018	N/A	61.7	39.1 – 61.7	Capacity of water to neutralize acids
Calcium	2018	N/A	27.6	5.4 – 27.6	Erosion of natural deposits
Carbon Dioxide	2018	N/A	49	32.8 – 49	Erosion of natural deposits
Color	2018	15	6	3 - 6	Physical property of water
Hardness	2018	N/A	83.5	64.3 – 83.5	Erosion of natural deposits
Magnesium	2018	N/A	4.79	1.1 – 4.79	Erosion of natural deposits
pH	2018	N/A	9.4	4.62 - 9.4	Represents the acidity of water
Sodium	2018	N/A	28	1.1 – 28	Erosion of natural deposits
Lead and Copper					
Lead	2016	0.015	0	0 (Sites Above Action Level)	
Copper	2016	1.3	0.284	0 (Sites Above Action Level)	

UNIT DESCRIPTIONS

TERM	DEFINITION
PPM	parts per million, or milligrams per liter (mg/L)
PPB	parts per billion, or micrograms per liter (µg/L)
NA	Not applicable
ND	Not detected
NR	Monitoring not required, but recommended.

IMPORTANT DRINKING WATER DEFINITIONS

TERM	DEFINITION
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.
MCL	Maximum Contaminant Level: 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.
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
VARIANCES AND EXEMPTIONS	State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
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.
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.
MNR	Monitored Not Regulated
MPL	State Assigned Maximum Permissible Level

FOR MORE INFORMATION PLEASE CONTACT:

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