

shall follow

Grayson Utilities Commission

KY0220164

Water Qualit	Manager:	Gerald W. Haney		
671 S	Phone:	606-474-7569		
Gray				
Meetings:	William J. Lewis Maintenance Buildin	g	CCR Contact:	same as above
Meeting Dates and Time:	Last Friday of the Month	12:00 PM	Phone:	

This report is designed to inform the public about the quality of water and services provided on a daily basis. Our commitment is to provide our customers with a safe, clean, and reliable supply of drinking water. We want to assure that we will continue to monitor, improve, and protect the water system and deliver a high quality product. Water is the most indispensable product in every home and we ask everyone to be conservative and help us in our efforts to protect the water source and the water system.

The Grayson Utility Commission withdraws raw water from the Little Sandy River which is a surface water source located in Carter County. An analysis of the susceptibility of the Commission's water supply to contamination indicates that this susceptibility is generally moderate. Areas of high concern within the first protection zone of the intake consist of Bridges and Culverts. In and of

themselves, bridges do not represent a danger to the environment. It is the potential for chemical spill resulting from accidents that earn them a high susceptibility ranking. Agricultural activity in this

watershed is negligible and, therefore, the use of pesticides and herbicides and the danger of runoff contaminated thereby is greatly reduced. The threat posed by major roadways in the protection area

in the event of accidental release of contaminants, though it exists, is moderate. The overall Susceptibility Ranking for this water source is moderate.

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 may be obtained by calling the Environmental Protection Agency's 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 may pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include: Microbial contaminants, such as viruses and bacteria, (sewage plants, septic systems, livestock operations, or wildlife). Inorganic contaminants, such as salts and metals, (naturally occurring or from stormwater runoff, wastewater discharges, oil and gas production, mining, or farming). Pesticides and herbicides, (stormwater runoff, agriculture or residential uses). Organic chemical contaminants, including synthetic and volatile organic chemicals, (by-products of industrial processes and petroleum production, or from gas stations, stormwater runoff, or septic systems). Radioactive contaminants, (naturally occurring or from oil and gas production or 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. FDA regulations establish limits for contaminants in bottled water to provide the same protection for public health.

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

Some or all of these definitions may be found in this report:	Information About Lead:
Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to	If present, elevated levels of lead can cause serious
the MCLGs as feasible using the best available treatment technology.	health problems, especially for pregnant women and
Maximum Contaminant Level Goal (MCLG) - the level of a contaminant in drinking water below which there is no known or expected	young children. Lead in drinking water is primarily from
risk to health. MCLGs allow for a margin of safety.	materials and components associated with service
Maximum Residual Disinfectant Level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing	lines and home plumbing. Your local public water system is responsible for providing high quality
evidence that addition of a disinfectant is necessary for control of microbial contaminants.	drinking water, but cannot control the variety of
Maximum Residual Disinfectant Level Goal (MRDLG) - the level of a drinking water disinfectant below which there is no known or	S
expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.	water has been sitting for several hours, you can
Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.	minimize the potential for lead exposure by flushing
Not Applicable (N/A) - does not apply.	your tap for 30 seconds to 2 minutes before using
Parts per million (ppm) - or milligrams per liter, (mg/l). One part per million corresponds to one minute in two years or a single penny	water for drinking or cooking. If you are concerned
in \$10,000.	water tested. Information on lead in drinking water,
Parts per billion (ppb) - or micrograms per liter, (µg/L). One part per billion corresponds to one minute in 2,000 years, or a single	o ,
penny in \$10,000,000.	exposure is available from the Safe Drinking Water
Parts per trillion (ppt) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.	Hotline or at http://www.epa.gov/safewater/lead.
Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in	
\$10,000,000,000.	
Picocuries per liter (pCi/L) - a measure of the radioactivity in water.	
Millirems per year (mrem/yr) - measure of radiation absorbed by the body.	
Million Fibers per Liter (MFL) - a measure of the presence of asbestos fibers that are longer than 10 micrometers.	Quality
Nephelometric Turbidity Unit (NTU) - a measure of the clarity of water. Turbidity has no health effects. However, turbidity can	
provide a medium for microbial growth. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.	-On lap!

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

Variances & Exemptions (V&E) - State or EPA permission not to meet an MCL or a treatment technique under certain conditions. Action Level (AL) - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system

Spanish (Español) Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúzcalo o hable con alguien que lo entienda bien



Information About Lead:

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monitoring requirements for cei	rtain contaminants t	o less often than	once per yea	r because the conc	entrations of these cor	itaminants are n	ot expected to	o vary significantly from year to year. Some of
data in this table, though repres	entative, may be mo	ore than one year	old. Unless o	otherwise noted, th	e report level is the high	ghest level detec	rted.	
	Allowable	Highest Sing	e		Lowest	Violation		
	Levels	Measuremen			Monthly %			Likely Source
Turbidity (NTU) TT								
* Representative samples		0.537			99	No		Soil runoff
of filtered water								
Regulated Contaminan	t Test Results							
Contaminant		Report	Range		e	Date of	Violation	Likely Source of
[code] (units)	MCLG	Level	of Detecti		tion	Sample Contam		Contamination
Radioactive Contamina	ants							
Alpha emitters	0	0.60	0.6	to	0.6	Jul-08	No	Erosion of natural deposits
[4000] (pCi/L)							INU	Erosion of natural deposits
Inorganic Contaminan	ts							
Copper [1022] (ppm)		0.067						
sites exceeding action level	1.3	(90 th	0.001	to	0.094	Sep-15	No	Corrosion of household plumbing systems
0		percentile)						
Fluoride								
[1025] (ppm)	4	0.99	0.6	to	1.24	Oct-15	No	Water additive which promotes strong teet
Lead [1030] (ppb)		0.002						
sites exceeding action level	0	(90 th	0	to	0.003	Sep-15	No	Corrosion of household plumbing systems
0		percentile)						
Nitrate								Runoff from fertilizer use; leaching from
[1040] (ppm)	10	0.230	0.23	to	0.23	Mar-15	No	septic tanks, sewage; erosion of natural
								deposits
Disinfectants/Disinfecti	ion Byproducts	and Precur	sors			•		
Total Organic Carbon (ppm)		1.24						
(measured as ppm, but	N/A	(lowest	1.02	to	1.79	N/A	No	Naturally present in environment.
reported as a ratio)		average)		(monthly ra	atios)			
*Monthly ratio is the % TOC re	emoval achieved to	the % TOC remo	val required.	Annual average of	f the monthly ratios m	ust be 1.00 or g	reater for com	pliance.
Chlorine	MRDLG	1.29		-				
(ppm)	= 4	(highest	0.56	to	1.93	N/A	No	Water additive used to control microbes.
		average)						
HAA (ppb)		32						
[Haloacetic acids]	N/A	(system	8	to	180	N/A	No	Byproduct of drinking water disinfection
(Individual Sites)		average)	(range of syster		em sites)			
TTHM (ppb)		38						
[total trihalomethanes]	N/A	(system	6	to	90	N/A	No	Byproduct of drinking water disinfection.
(Individual Sites)		average)		(range of indivi	dual citac)		1	