Some or all of these definitions may be found in this report:

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) - 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.

Below Detection Levels (BDL) - laboratory analysis indicates that the contaminant is not present.

Not Applicable (N/A) - does not apply.

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 in \$10,000.

Parts per billion (ppb) - or micrograms per liter, $(\mu g/L)$. One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

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.

Parts per quadrillion (ppq) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

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. 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.

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 shall follow.

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

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



To request a paper copy call (502) 839-6919.

Water System ID: KY0030660 Manager: Shawn Cook Phone: 502-839-6919 CCR Contact: Lisa Sebastian southa@bellsouth.net

Mailing address: PO Box 17, Lawrenceburg, KY 40342

Meeting location and time: 1521 Fieldstone Drive, Lawrenceburg, KY 40342 Third Thursday each month at 6:00 PM

South Anderson purchases water from two suppliers. Lawrenceburg Water Department and Frankfort Plant Board Water Treatment Plant treat surface water from the Kentucky River. An analysis of the susceptibility of the water supply to contamination indicates that this susceptibility is generally moderate. However, an accidental release of toxic materials from nearby bridges or roads could pose an immediate threat to the intakes. Other areas of concern that occur in the immediate vicinity of the intakes include land used for agricultural purposes, firms that use Tier II hazardous chemicals, a Superfund site, a hazardous waste generator and/or transporter, sewer lines and a KPDES permitted discharger. Within the greater watershed area, there are numerous permitted operations and activities and other potential contaminant sources of moderate concern that cumulatively increase the potential for the release of contaminants within the area. These potential contaminant sources include everything from underground storage tanks, to power line rights-of-way that may be treated with herbicides, to active and inactive landfills. The complete Source Water Assessment Plans are available for inspection at the Frankfort Plant Board Water Treatment Plant and Lawrenceburg City Hall. Contact our office for specific service area information.

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. Immunocompromised 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).

Information About Lead:

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. Your local water system is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact your local water system. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at http://www.epa.gov/safewater/lead.

Service Line Inventory Information:

To address lead in drinking water, EPA requires that all community water systems develop and maintain an inventory of service line materials. We have completed a service line inventory (SLI) and it is available for review at the South Anderson Water District office located at 1521 Fieldstone Drive, Lawrenceburg, KY 40342.

Lead Sample Results Availability Information:

We are required to periodically sample water from customer taps to determine lead and copper levels. EPA sets the lead action level at .015 mg/L (15 ppb). For a water system to be in compliance, at least 90% of tap water samples must have lead levels below this limit. This report contains the 90th percentile and range of our most recent sampling. The individual results for each location sampled can be reviewed at the South Anderson Water District office located at 1521 Fieldstone Drive, Lawrenceburg, KY 40342.

We are only required to test for some contaminants periodically, so the results listed in this report may not be from the previous year. Only detected contaminants are included in this report. For a list of all contaminants we test for please contact us. Copies of this report are available upon request by contacting our office.

Regulated Contamina	nt Test R	esults F	ranl	kfort Pla	nt Boar	d (F) Lawre	enceburg V	Vater Dep	ot. (L)
Contaminant		MCLG	Source	Report	Range		Date of	Violation	Likely Source of Contamination	
[code] (units)	MCL			Level	of Detection					Sample
Inorganic Contaminar	its									•
Barium			F=	0.025	0.025	to	0.025	2024	No	
[1010] (ppm)	2	2								Drilling wastes; metal refineries; erosion of natural deposits
			L=	0.02	0.02	to	0.02	2024	No	crosion of natural deposits
Fluoride			F=	0.56	0.56	to	0.56	2024	No	
[1025] (ppm)	4	4								Water additive which promotes strong teeth
			L=	0.84	0.84	to	0.84	2024	No	strong teem
Nitrate			F=	0.934	0.934	to	0.934	2024	No	Fertilizer runoff; leaching from
[1040] (ppm)	10	10								septic tanks, sewage; erosion of natural deposits
Disinfectants/Disinfec	tion Byp	roducts a	nd P	recursors	s					
Total Organic Carbon (ppm)			F=	1.70	1.28	to	2.20	2024	No	
(report level=lowest avg.	TT*	N/A								Naturally present in environment
range of monthly ratios)			L=	1.40	0.97	to	2.76	2024	No	
*Monthly ratio is the % TOC r	emoval achi	eved to the %	TOC	removal requ	uired. Ann	ualav	verage must b	e 1.00 or greate	er for complia	ince.
Other Constituents										
Turbidity (NTU) TT	Allowable Levels		Source	Highest Single Measurement			Lowest	Violation		
* Representative samples			Sot			Monthly %		Likely Source of Turbidity		
Turbidity is a measure of the	No more than 1 NTU* Less than 0.3 NTU in 95% monthly samples		F=	0.21			100	No		·
clarity of the water and not a										Soil runoff
contaminant.			L=	(0.05		100	No		

Regulated Contamina	nt Test R	esults	South Ande	erson W	Vater	District			
Contaminant			Report	Range			Date of		Likely Source of
[code] (units)	MCL	MCLG	Level		of Deteo	tion	Sample	Violation	Contamination
Chloramines	MRDL	MRDLG	1.79						Water additive used to control
(ppm)	= 4	= 4	(highest	1.25	to	2.2	2024	No	microbes.
			average)						
Chlorine	MRDL	MRDLG	1.79					No	Water additive used to control microbes.
(ppm)	= 4	=4	(highest	1.06	to 2.18	2.18	2024		
			average)						
HAA (ppb) (Stage 2)			70						
[Haloacetic acids]	60	N/A	(high site	26	to	59	2024	YES	Byproduct of drinking water disinfection
			average)	(range of individual sites)					disinfection
TTHM (ppb) (Stage 2)			62						Byproduct of drinking water disinfection.
[total trihalomethanes]	80	N/A	(high site	17.7	to	95.6	2024	No	
			average)	(range of individual sites)					dismicrion.
Household Plumbing	Contami	nants							
Copper (ppm) Round 1	AL=		0.216						
sites exceeding action level	1.3	1.3	(90 th	0.01	to	0.362	Jul-23	No	Corrosion of household plumbing systems
0			percentile)						system.
Lead (ppb) Round 1	AL=		3					No	Corrosion of household plumbing systems
sites exceeding action level	15	0	(90 th	0	to	62	Jul-23		
1			percentile)					1	
Unregulated Contami	nants (U	JCMR 5)	average	ra	nge (ppb)	date		
perfluoropentanoic acid (PFPe			0.001	0	to	0.003	Jan-24	1	

Your drinking water has been sampled for a series of unregulated contaminants. Unregulated contaminants are those that EPA has not established drinking water standards. There are no MCLs and therefore no violations if found. The purpose of monitoring for these contaminants is to help EPA determine where the contaminants occur and whether they should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact our office during normal business hours.

2024-6135615

Testing results from 1/1/2024 to 3/31/2024 show that our system exceeds the standard, or maximum contaminant level (MCL), for haloacetic acids (HAA). The standard for HAA is 0.060 mg/L. It is determined by averaging all samples collected at each sampling location for the last 12 months. The level of HAA averaged at one of our system's locations for 1/1/2024 to 3/31/2024 was 0.062 mg/L.

2023-6135616

Testing results from 4/1/2024 to 6/30/2024 show that our system exceeds the standard, or maximum contaminant level (MCL), for haloacetic acids (HAA). The standard for HAA is 0.060 mg/L. It is determined by averaging all samples collected at each sampling location for the last 12 months. The level of HAA averaged at one of our system's locations for 4/1/2024 to 6/30/2024 was 0.070 mg/L.

We are working to minimize the formation of haloacetic acids while ensuring we maintain an adequate level of disinfectant. We have taken additional steps to increase flushing of water lines to determine if our efforts have been effective. We are also monitoring water storage tank levels and water flow patterns within the distribution system. We have since gotten our haloacetic acids levels back to within acceptable levels.

Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Public notices were distributed for each quarter we were out of compliance.