Nebo Water District 2024 Water Quality Report 1/1/24 - 12/31/24

For previous reports include year. Example: tapwaterinfo.com/2023/nebo 977 Manager: Mark Matheny



Water System ID:KY0540977Manager: Mark MaPhone:270-249-3709Contact:Kaleb MathenyMeeting Location:Water District OfficeMeeting Time:4th Wednesday of the Month 3:00 P.M.

Address: 45 N. Bernard St. Nebo Ky 42441

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). To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

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).

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.

We are required to annually provide information about the health risks from lead in drinking water to schools and child care facilities. All elementary schools, secondary schools, and child care facilities are eligible to be sampled for lead by our water system. Contact our office for scheduling or to learn results of previous sampling.

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 our office or online at https://qrs.ly/hkgp9x1.



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 0.015 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 our office.

Source Information:

We purchase our water from Madisonville Water Department and Webster County Water District. Both water utilities process surface water at their water treatment plants, Madisonville from the Green River and Lake Pee Wee and Webster Co. from the Green River. During the treatment process particulate matter is settled and oxidation is used to remove contaminants after which the water is filtered and disinfected with chlorine to protect public health. As part of a multi barrier approach to safeguard the public, land use within the watersheds have been assessed to better understand their potential impact to water quality and to assign a susceptibility rating. The susceptibility of our drinking water sources is rated high. This is derived by evaluating the toxicity, proximity to the water intakes and likelihood of potential contaminant sources to be released. There are over 1,000 sources / activities that have the potential to impact our water supplies. These include oil production, pesticide & fertilizer application, wastewater discharges, landfills and fuel & chemical storage and transportation by river and along roadways / rail that transect the watershed. Activities and land use within the watershed can pose potential risks to your drinking water. Under certain circumstances contaminants could be released that would pose challenges to water treatment or even get into your drinking water. These activities and how they are conducted, are of interest to our customers because they potentially affect your health and the cost of treating your water. The complete source water assessments can be reviewed at the Madisonville Water Treatment Plant (270) 824-2145 and Webster County Water District (270) 639-9010.

Service Area Information:

The water purchased from the Madisonville Water Department serves 99.9% of the customers in our system. The water purchased from Webster Co. Water District serves 16 customers on Balls Hill Road from Shade Tree to the Webster county line.

Results Table Information:

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.

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, (μ 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.

Regulated Contaminant	LE WATH t Test Res	ults							
Contaminant	l Test Res	unts	ce	Report	Ra	inge	Date of	<u> </u>	Likely Source of
	MCL	MCLG	Source	Level		tection	Sample	Violation	Contamination
code] (units) [norganic Contaminant			s	Level	01.50	lection	Sample		containing of
0	3			0.025	0.025	0.025	E 1 04	N-	1
Barium			A=	0.025	0.025 to		Feb-24	No	Drilling wastes; metal refineries
1010] (ppm)	2	2	B=	0.025	0.025 to	0.025	May-24	No	erosion of natural deposits
Fluoride			A=	0.66	0.66 to	0.66	Feb-24	No	
1025] (ppm)	4	4	B=	0.88	0.88 to	0.88	May-24	No	Water additive which promotes strong teeth
Nickel (ppb)									
US EPA remanded MCL	N/A	N/A	B=	3	3 to	3	May-24	No	N/A
n February 1995.)									
Nitrate									Fertilizer runoff; leaching from
1040] (ppm)	10	10	B=	1.01	1.01 to	1.01	May-24	No	septic tanks, sewage; erosion of natural deposits
Disinfectants/Disinfection	on Bypro	ducts and l	Precu	irsors					X
Total Organic Carbon (ppm)			A=	1.18	0.89 to	1.56	2024	No	
report level=lowest avg.	TT*	N/A	B=	2.43	1.8 to		2024	No	Naturally present in environmer
	11.	11/24	Ъ-	2.43	1.0 10	7.04	2024	110	
ange of monthly ratios)	L		<u> </u>				1.00	L	1
Monthly ratio is the % TOC re	emoval achie	eved to the %	TOC r	emoval requ	ired. Annual a	verage must be	1.00 or greater	tor complia	nce.
Other Constituents				0			0		
Furbidity (NTU) TT	Alle	owable	rce	High	est Single	Lowest	N72 N	.	(1)
* Representative samples	т	evels	Source	Mee	surement	Monthly %	Violation		Likely Source of Turbidity
Furbidity is a measure of the		an 1 NTU*	A=		0.3	100	No		
clarity of the water and not a									C 11
ontaminant.	Less than (B=	0.	.067	100	No		Soil runoff
Unregulated Contamina	95% month	2 1							
	g normal bus		ustom	ers, you hav	e a right to kn	ow that these d	ata are availab	le. If you are	
		iness hours. N		-	e a right to kn			le. If you are	
Regulated Contaminan	t Test Res	iness hours. Nults		-	R DISTRIC			- 	
Regulated Contaminant		iness hours. N	NEBO	-	R DISTRIC	CT (KY054	0977) Date of	le. If you are Violation	interested in examining the result in the re
Regulated Contaminan Contaminant code] (units)	t Test Res MCL	iness hours. Nults MCLG	NEBO) WATEI	R DISTRIC	CT (KY054	0977)	- 	interested in examining the rest
Regulated Contaminan Contaminant code] (units) Disinfectants/Disinfectio	t Test Res MCL	iness hours. Nults MCLG ducts	NEBO) WATEI	R DISTRIC	CT (KY054	0977) Date of	- 	interested in examining the rest
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine	t Test Res MCL on Bypro MRDL	iness hours. Nults MCLG ducts MRDLG	NEBO	D WATEI	R DISTRIC Ra	CT (KY054 inge tection	0977) Date of Sample	Violation	interested in examining the result in the result in the result is the second se
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine	t Test Res MCL	iness hours. Nults MCLG ducts	NEBO) WATEI	R DISTRIC	CT (KY054 inge tection	0977) Date of	- 	interested in examining the result in the re
Regulated Contaminant Contaminant (code] (units) Disinfectants/Disinfection Chlorine	t Test Res MCL on Bypro MRDL	iness hours. Nults MCLG ducts MRDLG	Rej	D WATEI	R DISTRIC Ra	CT (KY054 inge tection	0977) Date of Sample	Violation	interested in examining the resu Likely Source of Contamination Water additive used to control
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm)	t Test Res MCL on Bypro MRDL	iness hours. Nults MCLG ducts MRDLG	Rej	D WATEH port Level	R DISTRIC Ra	CT (KY054 inge tection	0977) Date of Sample	Violation	Contamination Water additive used to control microbes.
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2)	t Test Res MCL on Bypro MRDL	iness hours. Nults MCLG ducts MRDLG	Rej	DWATEL port Level 1.59 est average) 55	R DISTRIC Ra	CT (KY054 inge tection 2.23	0977) Date of Sample	Violation	interested in examining the rest Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2)	t Test Res MCL on Byprod MRDL = 4	iness hours. Nults MCLG ducts MRDLG = 4	Rej	D WATER port Level 1.59 est average)	R DISTRIC Rs of De 0.82 to 39 to	cT (KY054 inge tection 2.23 70	0977) Date of Sample 2024	Violation	Interested in examining the rest Likely Source of Contamination Water additive used to control microbes.
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids]	t Test Res MCL on Byprod MRDL = 4	iness hours. Nults MCLG ducts MRDLG = 4	Rej	D WATEI port Level 1.59 est average) 55 high site iverage)	R DISTRIC Rs of De 0.82 to 39 to	cT (KY054 inge tection 2.23	0977) Date of Sample 2024	Violation	interested in examining the rest Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2)	MCL MCL MRDL = 4 60	iness hours. Nults MCLG ducts MRDLG = 4 N/A	Rep (high (l a	DWATEI port Level 1.59 est average) 55 nigh site verage) 83	R DISTRIC R: of De 0.82 to 39 to (range of inc	CT (KY054 unge tection 2.23 70 dividual sites)	0977) Date of Sample 2024 2024	Violation No No	Itikely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2)	t Test Res MCL on Byprod MRDL = 4	iness hours. Nults MCLG ducts MRDLG = 4	Reg (high (l a (l	WATEI port Level 1.59 est average) 55 ingh site 83 nigh site	R DISTRIC R: of De 0.82 to 39 to (range of inc 43 to	CT (KY054 inge tection 2.23 70 dividual sites) 135	0977) Date of Sample 2024	Violation	interested in examining the rest Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2) total trihalomethanes]	MCL MCL MRDL = 4 60 80	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A	Reg (high (l a (l	1.59 est average) 55 iverage) 83 inigh site iverage)	R DISTRIC R: of De 0.82 to 39 to (range of inc 43 to (range of inc	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites)	0977) Date of Sample 2024 2024	Violation No No	Itikely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] THM (ppb) (Stage 2) total trihalomethanes] THM(ppb) Individual Site	MCL MCL MRDL = 4 60 80 Qtr 1	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A Qtr 2	Reg (high (l a (l	1.59 est average) 55 nigh site vverage) 83 nigh site vverage) Qtr 3	R DISTRIC R: of De 0.82 to 39 to (range of ind 43 to (range of ind Qtr 4	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation	0977) Date of Sample 2024 2024	Violation No No	Itikely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2) total trihalomethanes] TTHM(ppb) Individual Site 5M2	MCL on Byprod MRDL = 4 60 80 Qtr 1 0.043	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A Qtr 2 0.087	Reg (high (l a (l	1.59 est average) 55 high site (verage) 83 high site (verage) Qtr 3 0.133	R DISTRIC Ri of De 0.82 to 39 to (range of ind 43 to (range of ind Qtr 4 0.053	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation No	0977) Date of Sample 2024 2024	Violation No No	I Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2) total trihalomethanes] TTHM(ppb) Individual Site 5M2 5M4	MCL on Byprod MRDL = 4 60 80 Qtr 1 0.043 0.056	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082	Reg (high (l a (l	1.59 est average) 55 nigh site vverage) 83 nigh site vverage) Qtr 3	R DISTRIC R: of De 0.82 to 39 to (range of ind 43 to (range of ind Qtr 4	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation	0977) Date of Sample 2024 2024	Violation No No	I Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2) total trihalomethanes] TTHM(ppb) Individual Site 5M2 5M4	MCL on Byprod MRDL = 4 60 80 Qtr 1 0.043 0.056	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082	Reg (high (l a (l	1.59 est average) 55 high site (verage) 83 high site (verage) Qtr 3 0.133	R DISTRIC Ri of De 0.82 to 39 to (range of ind 43 to (range of ind Qtr 4 0.053	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation No	0977) Date of Sample 2024 2024	Violation No No	Itikely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2) total trihalomethanes] TTHM(ppb) Individual Site SM2 SM4 Household Plumbing Compared to the second	MCL on Byprod MRDL = 4 60 80 Qtr 1 0.043 0.056	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082	Reg (high (l a (l	1.59 est average) 55 high site (verage) 83 high site (verage) Qtr 3 0.133	R DISTRIC Ri of De 0.82 to 39 to (range of ind 43 to (range of ind Qtr 4 0.053	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation No	0977) Date of Sample 2024 2024	Violation No No	Interested in examining the rest Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection Byproduct of drinking water disinfection.
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Chlorine ppm) IAA (ppb) (Stage 2) Haloacetic acids] ITHM (ppb) (Stage 2) total trihalomethanes] ITHM(ppb) Individual Site SM2 SM4 Household Plumbing Cot Copper (ppm) Round 1 ites exceeding action level	MCL on Byprod MRDL = 4 60 80 Qtr 1 0.043 0.056	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082	Rep (high (l) a (l) a	1.59 est average) 55 nigh site vverage) 83 nigh site vverage) Qtr 3 0.133 0.134	R DISTRIC Ri of De 0.82 to 39 to (range of ind 43 to (range of ind Qtr 4 0.053	CT (KY054 inge tection 2.23 70 dividual sites) Violation No YES	0977) Date of Sample 2024 2024	Violation No No	Interested in examining the rest Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection Byproduct of drinking water disinfection.
Regulated Contaminant Contaminant codel (units) Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2) total trihalomethanes] TTHM(ppb) Individual Site SM4 Household Plumbing Co Copper (ppm) Round 1 ites exceeding action level 0	MCL on Byprod MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = 1.3	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082 nts	Rep (high (l) a (l) a	WATEI port Level 1.59 est average) 55 high site verage) 83 nigh site verage) Qtr 3 0.133 0.134 percentile)	R DISTRIC R: of De 0.82 to 39 to (range of ind) 43 to (range of ind) Qtr 4 0.053 0.059	CT (KY054 inge tection 2.23 70 dividual sites) Violation No YES	0977) Date of Sample 2024 2024 2024	Violation No YES	Interested in examining the reserve of Contamination Utical Contamination Water additive used to control microbes. Byproduct of drinking water disinfection Byproduct of drinking water corrosion of household plumbi
Regulated Contaminant Contaminant codel (units) Disinfectants/Disinfection Thorine ppm) IAA (ppb) (Stage 2) Haloacetic acids] THM (ppb) (Stage 2) total trihalomethanes] THM(ppb) Individual Site M4 Household Plumbing Control Copper (ppm) Round 1 ites exceeding action level 0 .ead (ppb) Round 1	MCL MCL on Bypro MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = AL =	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082 nts 1.3	Rep (high (l) a (l) a	1.59 est average) 55 nigh site vverage) 83 nigh site vverage) Qtr 3 0.133 0.134	R DISTRIC R: of De 0.82 to 39 to (range of inc 43 to (range of inc Qtr 4 0.053 0.059 0.003 to	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation No YES 0.199	0977) Date of Sample 2024 2024 2024 2024 Aug-24	Violation No No YES	interested in examining the res Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection Byproduct of drinking water disinfection. Corrosion of household plumbi systems
Regulated Contaminant Contaminant codel (units) Disinfectants/Disinfection Thorine ppm) IAA (ppb) (Stage 2) Haloacetic acids] THM (ppb) (Stage 2) total trihalomethanes] THM(ppb) Individual Site M4 Household Plumbing Cr Opper (ppm) Round 1 ites exceeding action level 0 .ead (ppb) Round 1 ites exceeding action level	MCL on Byprod MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = 1.3	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082 nts	Rep (high (1) a (1) (1) a (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	1.59 est average) 55 nigh site verage) Qtr 3 0.133 0.134 percentile) 0.00	R DISTRIC R: of De 0.82 to 39 to (range of ind) 43 to (range of ind) Qtr 4 0.053 0.059	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation No YES 0.199	0977) Date of Sample 2024 2024 2024	Violation No YES	Interested in examining the rest Likely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection Byproduct of drinking water disinfection.
Regulated Contaminant contaminant codel (units) Disinfectants/Disinfection hlorine oppm) IAA (ppb) (Stage 2) Haloacetic acids] THM (ppb) (Stage 2) otal trihalomethanes] THM(ppb) Individual Site M2 M4 Iousehold Plumbing Co opper (ppm) Round 1 tes exceeding action level 0 ead (ppb) Round 1 tes exceeding action level 1	MCL MCL m Bypro MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = 1.3 AL = 15	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.082 nts 1.3 0	Reg (high (l) a (l) (l) a (l) a (l) (a (l) (l) ((l) (l) (l) (l) (l) (l) (l) (WATEI port Level 1.59 est average) 55 nigh site verage) Qtr 3 0.133 0.134 percentile) 0.00 percentile)	R DISTRIC R: of De 0.82 to 39 to (range of inc 43 to (range of inc Qtr 4 0.053 0.059 0.003 to	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation No YES 0.199	0977) Date of Sample 2024 2024 2024 2024 Aug-24	Violation No No YES	ILIKely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection Byproduct of drinking water disinfection.
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] TTHM (ppb) (Stage 2) total trihalomethanes] TTHM(ppb) Individual Site SM4 Household Plumbing Co Copper (ppm) Round 1 ites exceeding action level 0 .ead (ppb) Round 1 ites exceeding action level 1 Unregulated Contamina Your drinking water has been tandards. There are no MCLs secur and whether they should	K Test Res MCL MCL on Bypro MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = 1.3 AL = 15 sampled fc and therefor have a stand	Interst hours. Interst hours.	Rep (high () () () () () () () () () () () () ()	WATEI port Level 1.59 est average) 55 nigh site werage) 83 nigh site werage) Qtr 3 0.133 0.134 upercentile) 0.00 upercentile) 2.5 lated contatiand. The pure	R DISTRIC R: of De 0.82 to 39 to (range of inc 43 to (range of inc Qtr 4 0.053 0.003 to 0 to 0 to minants. Unrepose of monit	CT (KY054 unge tection 2.23 70 dividual sites) 135 dividual sites) Violation No YES 0.199 17 gulated contam oring for these of	0977) Date of Sample 2024 2024 2024 2024 2024 Aug-24 Aug-24 Aug-24 inants are tho	Violation No No YES No No se that EPA s to help EP/	ILikely Source of Contamination Water additive used to control microbes. Byproduct of drinking water disinfection Byproduct of drinking water disinfection.
Regulated Contaminant Contaminant code] (units) Disinfectants/Disinfection Disinfectants/Disinfection Chlorine ppm) HAA (ppb) (Stage 2) Haloacetic acids] THM (ppb) (Stage 2) total trihalomethanes] THM(ppb) Individual Site SM4 Household Plumbing Cr Copper (ppm) Round 1 ites exceeding action level 0 .ead (ppb) Round 1 ites exceeding action level 1 Unregulated Contamina four drinking water has been atandards. There are no MCLs becur and whether they should lease contact our office during	MCL MCL on Bypro MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = 15 sampled fc and therefor sampled fc and therefor and therefor promain busice	Interst hours. Interst hours.	Rep (high (l) a (l) (l) a (l) (l) a (l) (l) (l) a (l) (l) (l) (l) (l) (l) (l) (l) (l) (l)	WATEI port Level 1.59 est average) 55 nigh site werage) 0.133 0.134 percentile) 0.00 apercentile) 0.134 mercentile) 0.00 apercentile) ulated containd. The pureers, you have	R DISTRIC R: of De 0.82 to 39 to (range of inc. 43 to (range of inc. Qtr 4 0.053 0.003 0.003 0 0 0 0 0 to 0 0 0 0 to	CT (KY054 inge tection 2.23 70 dividual sites) 135 dividual sites) Violation No YES 0.199 17 gulated contam oring for these of what these d	0977) Date of Sample 2024 2024 2024 2024 2024 Aug-24 Aug-24 Aug-24 inants are tho	Violation No No YES No No se that EPA s to help EP/	Interested in examining the reserver in the examining the reserver is a second
Regulated Contaminant Contaminant codel (units) Disinfectants/Disinfection Photonice ppm) IAA (ppb) (Stage 2) Haloacetic acids] THM (ppb) (Stage 2) total trihalomethanes] THM (ppb) Individual Site M4 Household Plumbing Co Copper (ppm) Round 1 ites exceeding action level 0 .ead (ppb) Round 1 ites exceeding action level 1 Jnregulated Contamina Cour drinking water has been tandards. There are no MCLs occur and whether they should lease contact our office during Jnregulated Contamina	MCL MCL on Bypro MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = 15 ants Moni sampled fo and therefor normal bus ants (UC)	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.087 0.082 nts 1.3 0 itoring (UG r a series of tarsies of tarset ours.	Rep (high (l) a (l) (l) a (l) (l) a (l) (l) (l) a (l) (l) (l) (l) (l) (l) (l) (l) (l) (l)	WATEI port Level 1.59 est average) 55 nigh site verage) 0.133 0.134 percentile) 0.00 percentile) 1.lated contain nd. The purerers, you have	R DISTRIC R: of De 0.82 to 39 to (range of ind 43 to (range of ind Qtr 4 0.053 0.003 0 0 0 0 0 0 to minants. Unre pose of monit e a right to km	CT (KY054 unge tection 2.23 70 dividual sites) 135 dividual sites) Violation No YES 0.199 17 gulated contam oring for these d ow that these d e (ppb)	0977) Date of Sample 2024 2024 2024 2024 2024 Aug-24 Aug-24 Aug-24 inants are tho contaminants i ata are availab Date	Violation No No YES No No se that EPA s to help EP/	Interested in examining the reserver in the examining the reserver is a second
Regulated Contaminant Contaminant [code] (units) Disinfectants/Disinfection Chlorine (ppm) HAA (ppb) (Stage 2) [Haloacetic acids] TTHM (ppb) (Stage 2) [total trihalomethanes] TTHM(ppb) Individual Site SM2 SM4 Household Plumbing Content SM4 Household Plumbing Content SM4 Household Plumbing Content Sites exceeding action level 0 Lead (ppb) Round 1 sites exceeding action level 1 Unregulated Contamina Your drinking water has been standards. There are no MCLs	MCL MCL on Bypro MRDL = 4 60 80 Qtr 1 0.043 0.056 ontamina AL = 15 ants Moni sampled fo and therefor normal bus ants (UC)	iness hours. Nults MCLG ducts MRDLG = 4 N/A N/A N/A Qtr 2 0.087 0.087 0.082 nts 1.3 0 itoring (UG r a series of tarsies of tarset ours.	Rep (high (l) a (l) (l) a (l) (l) a (l) (l) (l) a (l) (l) (l) (l) (l) (l) (l) (l) (l) (l)	WATEI port Level 1.59 est average) 55 nigh site werage) 0.133 0.133 0.134 percentile) 0.00 apercentile) 0.134 percentile) 0.134	R DISTRIC R: of De 0.82 to 39 to (range of inc. 43 to (range of inc. Qtr 4 0.053 0.003 0.003 0 0 0 0 0 to 0 0 0 0 to	CT (KY054 unge tection 2.23 70 dividual sites) 135 dividual sites) Violation No YES 0.199 17 gulated contamoring for these of ow that these of e (ppb)	0977) Date of Sample 2024 2024 2024 2024 Aug-24 Aug-24 Aug-24 inants are tho contaminants i ata are availab	Violation No No YES No No se that EPA s to help EP/	interested in examining the rest Likely Source of Contamination Water additive used to contro microbes. Byproduct of drinking water disinfection. Byproduct of drinking water disinfection. Corrosion of household plum systems Corrosion of household plum systems has not established drinking A determine where the contam

compliance periods. The standard, or maximum contaminant level (MCL) for TTHM is 0.080 mg/L and is determined by averaging all the samples collected at each sampling location for the past 12 months. The level of TTHM averaged at one of our system's locations for 7/1/24 - 9/30/24 and 10/1/24 - 12/31/24 was 0.081 mg/L and 0.083 mg/L, respectively. Nebo Water District is working with the City of Madisonville to correct the problem. We anticipate resolving the problem within Next 4 Quarters. Our customers were notified of these violations by direct mail. For more information, please contact Kaleb Matheny at (270) 249- 3709.

Health Effects:

TTHMs [Total Trihalomethanes]. 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.