# 2021 CERTIFICATION H-WATER SUPPLY

Consumer Confidence Report 100 RIUN - 1 PM 2: 58

PRINT Public Water System Name
0350003, 0350007, 0350023, 0350025
List PWS ID #s for all Community Water Systems included in this CCR

CCR DISTRIBUTION (Check all boxes the	at apply)
INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other	r) DATE ISSUED
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On water bill (Attach copy of bill)	6-1-22
□ Email message (Email the message to the address below)	
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CERTIFICATION  I hereby certify that the Consumer Confidence Report (CCR) has been prepared and of the appropriate distribution method(s) based on population served. Furthermore, I cert is correct and consistent with the water quality monitoring data for sampling performed of Federal Regulations (CFR) Title 40, Part 141.151 – 155.	fy that the information contained in the report
Wayne med langer	
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Jackson, MS 39215

## 2021 Annual Drinking Water Quality Report Northwest Kemper Water Association PWS#: 350003, 350007, 350023, 350025 April 2022

RECEIVED MSDH-WATER SUPPLY

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to providing you with information because informed customers are our best allies.

If you have any questions about this report or concerning your water utility, please contact Wayne Smith at 601.677.3558. We want our valued customers to be informed about their water utility. If you want to learn more, please join us for the annual meeting scheduled for second Tuesday of August at 7:00 PM at the Preston Office.

Our water source is from wells drawing from the Lower Wilcox Aquifer. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the Northwest Kemper Water Association have received lower rankings in terms of susceptibility to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants 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 and septic systems; 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. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be 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 "Maximum Allowed" (MCL) is 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 "Goal" (MCLG) is 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 to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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 - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Level 1 Assessment: A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A very detailed study of the water system to identify potential problems and determine (if Possible) why an E.coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system.

<b>PWS ID # 3</b>	350003-	<b>Preston</b>		TEST RESU	LTS			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCL G	MCL	Likely Source of Contamination
Inorganic (	Contami	inants						
10. Barium	N	2019*	.0114	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

17. Lead	N	2018/20*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2021	.793	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2019*	2100	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection	n By-I	Products						
81. HAA5	N	2021	3.91	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021	9.44	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.4	1.25 – 171	mg/l	0	MRDL = 4	Water additive used to control microbes

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCL G	MCL	Likely Source of Contamination
Inorganic	Contam	inants						
10. Barium	N	2019*	.0402	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
17. Lead	N	2018/20 *	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	2400	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection	on By-Pr	oducts						
Chlorine	l N	2021	1.4	1 – 2.01	mg/l	0	MRDL = 4	Water additive used to control microbes

<b>PWS ID # 3</b>				TEST RESUL	_			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCL G	MCL	Likely Source of Contamination
Inorganic C	Contam	inants						
10. Barium	N	2019*	.0476	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2018/20*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	13000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection	By-Pr	oducts						
81. HAA5	N	2018*	2	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2018*	1.23	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2021	1.4	.6 – 1.77	mg/l	0	MRDL = 4	Water additive used to control

	microbes

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCL G	MCL	Likely Source of Contamination
Inorganic	Contam	inants						
10. Barium	N	2020*	.063	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Sodium	N	2019*	1800	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

<sup>\*</sup> Most recent sample. No sample required for 2021.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

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. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. 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 at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

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 1.800.426.4791.

The Northwest Kemper Water Association has almost 1,800 meters and over 650 miles of pipe providing clean, fresh water to over 4,600 residents in parts of 5 counties in east central Mississippi. Our commitment to service is evidenced by receiving the highest available rating from the Mississippi State Department of Health during our annual inspections.

Please Note: You may obtain a copy of this report at our office at 10798 HWY 397 in Preston or call us at 601.677.3558.

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202 I Annual Drinking Water Quality Report Northwest Kemper Water Association PWS#: 350003, 350007, 350025 April 2022

With repaired to present to you this year's Annual Quanty Water Report. This report is designed to inform you about the quality waste and extensive behavior to you every day. Our content goal in preparing you all a side and dependable supply of decising yourse. We resilt you to providing you will information the information because informed customers and our period of predictions. We are committed to providing you will information because informed customers and our best after. Val there are numbros about the report or concentring year within table; plause contact Wileyne Smith at 001 677 3556. We want our valued cutchings to be informed about they want to sent make, if you want to sent make, if you want to sent make, if you want to sent make, there is no the annual meeting achievable for second Tensitive of Appart at 7100 PM at the Premior Office.

Our want fource is from while strategy from the Lone Wilson Aquite. The source within assessment has been completed for our public water given to dedicate the overlate assessment of the darking milk ways for design power is concerned for commissions of the post containing principles of the ways for the Northwest Kemper Wilson has been strated to our public state system and is even that for containing upon request. The ways for the Northwest Kemper Wilson Association, have recopied lower controls an of susceptionary to containings.

Whe recritisely months for contamination in your dinaking water according to Februal and State inver. The table refere risk at of the dunating water contamination that when disclosed distancy "To December 21", "200. In case where monitoring areas in 2003. In the table inflicted the most recent residue As water diseased of Land Contamination and water diseased and the state of Land Contamination and water for the state of the state of the state of Land Contamination and water diseased on the state of the sta

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nn (if Possible) why an E pol MCL violation A very delaifed shudy of the water system to identify potential problems and defer with tidal cofform bacierie have been found in our water system.

PWS ID # 350003- Preston	350003-	Preston		TEST RESULTS	LIE			
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Inorganic Contaminants	Contam	inants				1		The same of the same of
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17. Land	z	2018/20*		0	que	0	AL»15	Comparer of household planting systems, expens of natural decours.
19 Miropon)	2	2021	783	No Range	тера	91	D.	
Bodium	2	2019*	2100	No Range	g.	0	e	200
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BI HOWE	Z	2021	100	No Plange	god.	0	00	By-Product of deinking water
Fotal Total Histografferesi	z	1202	044	No Mange	god	D	0.0	By product of drinking wither observation.
Chlorine	z	2021	1.4	125-171	ion.	0	MRDL = 4	Water adot se used to control mucrobus

82. TTHM	TERROR		1111					disinfaction.
[Total trinalomethanea]	N	2021	9,44	No Range	ppib	0	. 80	By-product of criticing vester chlorination.
Chlorine	N	2021	1.4	1.25-171	*mg/l	0	MRDL = 4	Water additive used to control

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Delects or # of Semples Exceeding MCL/ACL/MRDL	Unit Measure ament	MCL G	MCL	Likely Source of Contamination
Inorganic	Contam	inants			700	111/11	-37	
10. Berlum	N	2018;	.0402	No Range	ppm	2	2	Discharge of criting wastes; discharge from metal refineries; expains of return deposits
17. Lead	N	2018/20 *	0	0	bbp	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019	2400	No Range	ppb	D	0	Road Sall, Water Treatment Chemicals, Water Softeners and Sewage Efficients.
Disinfection	on By-Pr	oducts						
Chlorina	N	2021	1.4	1-2.01	mg/I	0	MRDL = 4	Water addove used to control microbes

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Contaminant	Violation:	Date	Level	Range of Detects or	Unit	MCL	MCL	Linely Source of Corner mation
47.214	Y/N	Collected	Detected	# of Samples Exceeding MCL/ACL/MRDL	Measure -mens	G		
Inorganic (	Contam	inants	312 7				1999	The state of the s
10 Berun	N	20191	.0478	No Range	ppm	2	2	Discharge of drilling wastes, decharge from metal refinence, erosion of natural deposits
14. Copper	"	2016/20*	3		ppin .	1.3	ALH13	Correct of howelfeld glumbing systems ensure of returnal deposits leaching from wood prosessatives
17 Lead	N	2016/201	0	0	peb	0	ALW15	Correlate of household plumbing systems, prosein of natural deposits
Sedun:	N	20191	13000	No Range	990	0	0	Roll Sat, Water Treatment
				a62	NU		إكاراسوا	Chemicals Water Softeness and Sevege Effuents
Disinfection	n By-Pr	oducts					EUC-S	
NI. HAAS	N	20181	2	No Range	peb	0	60	By Product of drinking water delinitieson
12 TTHM Total chafornethaces)	N	2010"	1.23	No Range	ppb	С	85	By product of drinking water characters
Chiorine	N.	2023	1,4	9-177	ngn	0	MRDL = 4	Water additive used to coverel microtics

PWS ID#	The second second			TEST RESU	LIS			
Contaminant	Wolamon YAN	Date Collected	Delected	Plange of Detects or 8 of Samples Exceeding MOLIACETERDS	Dist Measure -mani	G SMCL	MCL	Unity Sou can of Contamination
Inorganic	Contam	inants					-	
10 Bartim	N	20001	.063	No Range	tion.	2	2	Circlising of diving setter discharge from the refinences around of return disposes
Sodum		2019*	1800	No Range	ppt	0	.0	Food Sat, Valler Treatment Chemicals, Water Softeness and Sewage Ethilants
Disinfection	on By-Pr	oducts						
Chlorine	N	2021	14.	101 - 15	molt	. 0	MADE = 4	Week additive beed to corned microbes

We are required to monitor your different water for specific contaminants on a receivity tasis. Results of regular monitoring are an indicator of whether or not our discussive water meets result standards. In an action to accurate a system complete all monitoring requirements. MSDH now nother systems of any missing samples poor to the end of the complete period.

If present elevated levels of lead can cause serious health problems, especially for propriets and young children, Lead in drinking water is primarily from materials and consource associated with service less and consource to providing the propriets of the propriets of the providing the propriets of the propriets of the providing the propriets of the providing the propriets of the providing the providing

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Some people may be more voltarable to contaminants in disking water than the general population, lendure communicated persons such as people, with HIVADIS or other immune system discribes, people with HIVADIS or other immune system discribes, some elderly and intents can be perfectledly at this from infections. These people should seek adjust social frinking water. Some first health care promoters. EFACIDE guidelines on appropriate section section is of effection by Cryptisipositions and other increases was able from the Safe Directory Water Hottine 1 800 426 4791.

The Northwest Kimper Water Association has almost 1,800 meters and over 650 miles of type providing clear, fresh water to over 4,000 mediated to parts of 5 counties in sest central Mischaelpp. Our commitment to service is evidenced by receiving the highest switching store the Mischaelpp State Department of Health during our amount Imprecious.

Please Note: You may obtain a copy of this report at our office at 10798 HVVY 397 in Preston or call us at 601,677 3558.

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