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MISSISSIPPI STATE DEPARTMENT OF HEALTH

2020 CERTIFICATION

Consumer Confidence Report (CCR)

Hayes Creek Water Assoc.

Public Water System Name

City Minerva I (New Liberty) City Lodi Alva Minerva II

MS#490004; MS#0490016; MS#0490017; MS#490018; MS#0490019; MS#0490020; MS#0490023

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR.

CCR DISTRIBUTION *(Check all boxes that apply.)*

INDIRECT DELIVERY METHODS *(Attach copy of publication, water bill or other)*	DATE ISSUED
☐ Advertisement in local paper *(Attach copy of advertisement)*	
☑ On water bills *(Attach copy of bill)*	6-3-21
☐ Email message *(Email the message to the address below)*	
☐ Other _____	
DIRECT DELIVERY METHOD *(Attach copy of publication, water bill or other)*	**DATE ISSUED**
☐ Distributed via U. S. Postal Mail	
☑ Distributed via E-Mail as a URL *(Provide Direct URL)*: https://msrw.org/2020ccr/hayescreek.pdf	4-2021
☐ Distributed via E-Mail as an attachment	
☐ Distributed via E-Mail as text within the body of email message	
☐ Published in local newspaper (attach copy of published CCR or proof of publication)	
☑ Posted in public places (attach list of locations) Local Library	6-7-21
☐ Posted online at the following address *(Provide Direct URL)*: _____	

CERTIFICATION

I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the MSDH, Bureau of Public Water Supply.

James R. Bennett — President — 6-1-21

Name — Title — Date

SUBMISSION OPTIONS *(Select one method ONLY)*

You must email, fax (not preferred), or mail a copy of the CCR and Certification to the MSDH.

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576-7800 (NOT PREFERRED)

CCR DEADLINE TO MSDH & CUSTOMERS: BY JULY 1, 2021

2020 Annual Drinking Water Quality Report
Hayes Creek Water Association
PWS#: 0490004, 0490016, 0490017, 0490018, 0490019, 0490020 & 0490023
April 2021

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 ensuring the quality of your water. Our water source is from wells drawing from the Lower and Middle Wilcox Aquifer and purchases water from the Town of Winona that has wells drawing from the Meridian Upper 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 identified 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 Hayes Creek Water Association have received lower susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Jan Bennett at 662.283.3506. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Monday of each month at 6:00 PM at the office located at 703 Summit Street, Winona, MS 38967.

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 we 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 contaminants. 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.

PWS ID #: 0490004 **TEST RESULTS**

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2019*	.067	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	14.1	No Range	ppb	100	100	Discharge from steel and pulp mills; 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
16. Fluoride	N	2019*	.104	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

17. Lead	N	2018/20	16	1	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

Disinfection By-Products

81. HAA5	N	2019*	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2020	1.1	1 – 1.1	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS ID #: 0490016 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2019*	.012	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	.6	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	.142	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	4	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	81000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2020	1.8	1.7 – 1.8	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS ID #: 0490017 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2019*	.0664	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	19.7	No Range	ppb	100	100	Discharge from steel and pulp mills; 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	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Disinfection By-Products								
Chlorine	N	2020	2	1.8 – 2	ppm	0	MRDL = 4	Water additive used to control microbes

PWS ID #: 0490018 TEST RESULTS

Contaminant	Violation	Date	Level	Range of Detects	Unit	MCLG	MCL	Likely Source of Contamination

	Y/N	Collected	Detected	or # of Samples Exceeding MCL/ACL	Measure -ment			
Inorganic Contaminants								
10. Barium	N	2019*	.067	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	14.1	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2019*	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	.104	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2019*	1	0 0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	3600	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
81. HAA5	N	2019*	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2020	1.2	1.1 – 1.2	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS ID #: 0490019 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2019*	.0664	No Range	Ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	19.7	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.4	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	5	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	31000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2020	2.1	2 – 2.2	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS ID #: 0490020 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2020	.0054	.0053 - .0054	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	2.7	2.4 – 2.7	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing

								systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020	.136	.128 - .136	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/10	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	89000	71000 - 89000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
81. HAA5	N	2020	2	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2020	2.4	2.1 – 2.5	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS ID #: 0490023 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2019*	.0183	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
16. Fluoride	N	2019*	.144	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	100000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
81. HAA5	N	2019*	13	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2019*	21.89	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2020	2	2 – 2.1	mg/l	0	MDRL = 4	Water additive used to control microbes

** Most recent sample. No sample required for 2020.*

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. 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 Association 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.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the City of Winona is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 9. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 77%.

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 microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The Hayes Creek Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

June 1, 2020

Mrs. Thelma Glasco
District Office-3
Rural Development
2330-D Sunset Drive
Grenada, MS. 38901

Dear Mrs. Glasco:

Enclosed you will find the information requested about rates, users, meter sizes and a list of current board members and their terms.

Please be advised that I have furnished Rural Development with verification of fidelity bonds and the original paid receipts showing the correct premium paid for the position of the of official writing checks on the Association's behalf. I have furnished the current policies and paid receipts for your files, on our Property and liability Insurance on our Directors and Officers.

Our office hours are Monday thru Friday 8-am to 4-pm. Our 911 address is 703 Summit St., Winona, MS. We hold our regular monthly meeting on our annual membership meeting at this same address. These are held on the second Monday of each month.

If I can be of further assistance, please let me know.

Yours truly,

Jan Bennett

Jan Bennett, Secretary
Hayes Creek Water Association
7003 Summit St.
Winona, MS. 38967

JUNE 1, 2020

Mississippi State Health Department
P. O. Box 1700
Jackson, MS 39215-1700

Dear Sir:

Enclosed you will find a copy of the Customer Confidence Report required by MSDH for I. D. #(s) 0490004, #0490016, #0490017, #0490018, #040019, #0490020, and #0490023

We have also enclosed a copy of our bills, with notice to all of our customers, that these reports are available at our office. We also took the advantage of hosting our 2018 CCR on the MsRWA website with a URL # http://.msrwa.org/2020ccr/hayescreek7.pdf .also a copy of CCR has been place in our local public library

I hope this is all to your specifications. If I can be of further assistance, please call.

Yours truly,

Jan Bennett

Jan Bennett, Secretary
Hayes Creek Water Association
703 Summit St.
Winona, MS 38967

Name of system: Hayes Creek Water Association

System PWS ID#(s) #0490016, #0490017, #0490019, #0490020, and #0490023

Do you purchase water ( ) Yes (X) No

Contact person is: Philip Patridge Phone: (662) 417-5771

Regular meetings are scheduled: 2nd Monday of every month, at 6 P.M., at Hayes Creek Water Association, 703 Summit St. Winona, MS 38967

We do not treat with fluoride

Our systems source water assessment program has been completed, and is rated "Lower" susceptibility to contamination.

Person to contact at this system is: Jan Bennett Phone: (662) 283-3506

Date: 6-1-21

System Name:	Hayes Creek Water Assoc.	Minerva I Well	#0490016
		New Liberty Well	#0490017
		Lodi Well	#0490019
		Alva Well	#0490020
		Minerva II Well	#0490023

Signature: Jan Bennett

Jan Bennett, Secretary

Do you purchase water (X) Yes ( ) No

Only on Two Systems- PWS ID#(s) #0490004 and #0490018

If yes, from System Name: Winona Public Utility

Contact person is: Philip Patridge Phone #: 1-(662) 417-5771

Regular meetings are scheduled: 2nd Monday of every month, at 6 P.M., at Hayes Creek Water Association Office, 703 Summit St., Winona, MS 38967

We do not treat with fluoride.

Our systems did not have violations in 2018.

Our systems source water assessment program has been completed, and is rated "Lower" Susceptibility to contamination.

Person to contact at this system is: Jan Bennett, Office Manager
(662) 283-3506

Date: 6-1-21

System Name: Hayes Creek Water Association

ID #0490004 Mission Rd.

ID #0490018 Legion Lake Rd.

Signature: Jan Bennett
Jan Bennett, Secretary

THIS IS TO CERTIFY THAT:

ID #0490004, ID and #0490018 customers were informed of availability of CCR on our May water bills. Copies of these reports are also on MsRWA website, and a hard copy can be viewed at the Hayes Creek Water Association office.

ID #0490016, ID #0490019, ID # 0490017, ID #0490020 and ID#0490023 customers were informed of availability of CCR on our June water bills, and can also be viewed at the MsRWA website as the population of these ID numbers exceed 500. Copies of these reports are also on file at our office at Hayes Creek Water Association office.

CERTIFICATION

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. I further certify that the information included in this CCR if true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Division of Water Supply.

James R. Bennett, President

6-1-, 2020

Hayes Creek Water Association

Deliver payment to:

Hayes Creek Water Assn.
703 Summit St
Winona, MS 38967
662-283-3506

FIRST-CLASS MAIL
US POSTAGE PAID
MAILED FROM
ZIP CODE 38967
PERMIT # 3

Return this portion with payment.

Previous CREDIT Balance: -7.19

WATER RATE 2 USED 8751 95.51
PREV 226461 PRES 235212

Billed: 05/26/21

NOTICE! YOU OWE THIS:
YOU OWE 88.32 by 06/20/21

YOU OWE THE FOLLOWING AMOUNT:
YOU OWE 88.32 by 06/20/21

Acct# 11800

MONTGOMERY CO. UNIT SYSTEM
SVC:04/14/21-05/12/21 (28 days) Acct# 11800

MONTGOMERY CO. UNIT SYSTEM
C/O MONT. CO. CHANCERY CLER
P. O. BOX 71
WINONA MS 99999

CONSUMER CONFIDENCE REPORT AVAILABLE AT
https://msrwa.org/2020ccr/hayescreek7.pdf