MISSISSIPPI STATE DEPARTMENT OF HEALTH

2020 CERTIFICATION

Consumer Confidence Report (CCR)

City of Hernando / City of Hernando-Jaybird / City of Hernando Laughter

Public Water System Name

0170009 / 0170002 / 0170050

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)*	6/28/2021
☐ 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):* _____	
☐ 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)	
☐ 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.

Neil Waldrop	Water Operator	7/1/2021
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

RECEIVED-WATER SUPPLY
2021 MAY 28 AM 10: 36

2020 Annual Drinking Water Quality Report
City of Hernando
PWS#: 0170002, 0170009 & 170050
May 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 Sparta 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 well for the City of Hernando have received moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Neil Waldrop at 662.429.9092. 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 first & third Tuesdays of each month at 6:00 PM at the City Hall located at 475 W. Commerce.

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 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.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

PWS # 0170002				**TEST RESULTS**				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Radioactive Contaminants								
6. Radium 228	N	2020	.59	No Range	pCi/L	0	5	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2018*	.032	.0319 - .032	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2018*	1.9	1.8 – 1.9	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2016/18*	0	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

19. Nitrate (as Nitrogen)	N	2020	.45	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2019*	18000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
Chlorine	N	2020	1.3	.8 – 1.53	mg/l	0	MRDL = 4	Water additive used to control microbes

PWS ID # 0170009 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
Radioactive Contaminants								
5. Gross Alpha	N	2019*	2.5	No Range	pCi/L	0	15	Erosion of natural deposits
6. Radium 226 Radium 228	N	2019*	1.1 .82	No Range	pCi/L	0	5	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2018*	.0302	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2018*	2	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2016/18*	0	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride**	N	2018*	1.13	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2016/18*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2020	1.29	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2019*	26000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
81. HAA5	N	2020	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2020	1.3	.6 – 1.79	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS # 0170050 TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2020	.031	.0299 - .031	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	1.3	1 – 1.3	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
17. Lead	N	2020	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2020	.33	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2019*	20000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

Disinfection By-Products								
Chlorine	N	2020	1.4	0– 1.47	mg/l	0	MRDL = 4	Water additive used to control microbes

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

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

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.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our system # 0170009 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 11. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 92%.

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 City of Hernando 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.

CITY OF HERNANDO
475 W. COMMERCE ST.
HERNANDO, MS 38632-2197

ACCOUNT INFORMATION

Account Number	09-8096600
Due Date	07/15/2021
Cutoff Date	07/21/2021
Amount Due	40.61

**********AUTO**SCH 5-DIGIT 38637 Tray 1 : Piece 1
American Tire
PO Box 5
Horn Lake MS 38637-0005

BUSINESS HOURS:
MONDAY - FRIDAY
8:00 A.M. - 5:00 P.M.
DAYTIME BUSINESS PHONE
662-429-9092
EMERGENCY NIGHT PHONE
662-429-9096

SERVICE ADDRESS	BILLING PERIOD
1340 GWYNN ROAD	05/15/2021 THRU 06/15/2021

SERVICE	CHARGE	PREVIOUS	PRESENT	USAGE
SWR	12.57	818	824	6
WW	5.00			
DCRUA	23.04			
AMOUNT DUE	40.61			
LC (APPLIED AFTER 15)	4.34			
AMOUNT DUE (AFTER 15)	44.95			

Your Consumer Confidence Report is available both at City Hall and online at www.cityofhernando.org/home/showpublisheddocument/1884 Farmers Market, July 3, Town Square. Children's Day is the last Saturday of each month 10am-noon.

TO AVOID DISCONNECTION AND A CHARGE OF $40, PAYMENT MUST BE RECEIVED BEFORE 5PM ON THE 20TH OF THE MONTH. IF MAILING, PLEASE MAIL EARLY TO INSURE PAYMENT REACHES US ON TIME. FOR YOUR CONVENIENCE, BILLS MAY ALSO BE PAID ONLINE AT WWW.CITYOFHERNANDO.ORG OR BY BANK DRAFT.

PLEASE DETACH AND RETURN THIS PORTION IF PAYING BY MAIL

Account Number	09-8096600
Service Address 1340	GWYNN ROAD
Amount Due	40.61
Due Date	07/15/2021
Amount Due After Due Date	44.95

CITY OF HERNANDO
475 W. COMMERCE ST.
HERNANDO, MS 38632-2197

AMERICAN TIRE

PO BOX 5
HORN LAKE MS 38637-0005