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Certification

Water systems serving 10,000 or more must use: Distribution Method I Water systems serving 500 - 9,999 must use: Distribution Method I OR Distribution Method II, III, and IV Water system serving less than 500 people must use: Distribution Method I OR Distribution Method II, III, and IV OR Distribution Method III and IV	OFFICE USE ONLY
Public Water Supply name(s): Horn Lake	7-digit Public Water Supply ID #(s): 170022

Distribution (Methods used to distribute CCR to our customers)	
□ **I.** CCR directly delivered using one or more method below:	
□ *Provided direct Web address to customer □ Hand delivered ☒ Mail paper copy □ Email	*Add direct Web address (URL) here: Example: *"The current CCR is available at www.waterworld.org/ccrMay2023/0830001.pdf, call (000) 000-0000 for paper copy".*
□ **II.** Published the complete CCR in the local newspaper.	Date(s) published:
□ **III.** Inform customers the CCR will not be mailed but is available upon request. List method(s) used (examples – newspaper, water bills, newsletter, etc.).	Date(s) notified: Location distributed:
□ **IV.** Post the complete CCR continuously at the local water office. □ "**Good Faith Effort**" in other public buildings with the water system service area (i.e. City Hall, Public Library, etc.)	Date: Locations posted:

Certification

This Community public water system confirms it has distributed its Consumer Confidence Report (CCR) to its customers and the appropriate notices of availability have been given and that the information contained in its CCR is correct and consistent with the compliance monitoring data previously submitted to the MS State Department of Health, Bureau of Public Water Supply and the requirements of the CCR rule.

Name:	Title:	Date:
[signature]	Director of Public Works	06-21-2023

Submittal

Email the following required items to water.reports@msdh.ms.gov regardless of distribution methods used.

1. CCR (Water Quality Report) 2. Certification 3. Proof of delivery method(s)

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2023 JUN 22 AM 9:44

Horn Lake Utility and Sanitation Department
3101 Goodman Road West
Horn Lake, MS 38637

2022 Annual Water Quality Report
City of Horn Lake
PWS# 170022

We are pleased to present to you this year's Annual Water Quality Report. We want to keep you informed about the quality water and services we deliver to you everyday. Our goal is to provide you with a safe and dependable supply of drinking water.

Horn Lake Consumer Confidence Report

Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards. The City of Horn Lake vigilantly safeguards the water supplies and once again we are proud to report that our system has not violated a maximum contaminant level or any other water quality standard.

Where does my water come from?

In 2022 our water department distributed 419,091,000 gallons of water to our customers. Our water is groundwater pumped from a natural underground aquifer, the Sparta Aquifer. The water is drawn by wells.

Do I need to take special precautions?

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Source water assessment and its availability

Source Water Assessment Program was conducted by the Department of Environmental Quality under contract from the Mississippi Department of Health. The results of the report are available at: http: landandwater.deq.ms.gov/swap/reports/report.aspx?id=0170022

The susceptibility assessment ranking for each well is:

-PWS ID: 170022, Source ID: 1, Susceptibility: Moderate
-PWS ID: 170022, Source ID: 2, Susceptibility: Moderate
-PWS ID: 170022, Source ID: 3, Susceptibility: Moderate
-PWS ID: 170022, Source ID: 4, Susceptibility: Moderate
-PWS ID: 170022, Source ID: 9, Susceptibility: Moderate

Conservation Tips

-Repair household leaks.
-Use water saving shower heads, faucets, toilets and appliances.
-Wash only full loads of clothes or dishes.

Additional Information for Lead

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. The City of Horn Lake 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 for $10 per sample. Please contact 601.576.7582 if you wish to have your water tested.

Why are there contaminants in my drinking water?

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 can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting 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 stormwater 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 stormwater 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, urban stormwater runoff, 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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contact Us

If you have any questions about this report or concerning your water utility, please contact Steven Boxx, Public Works Director, at 662-342-4505, or by writing to the following address: City of Horn Lake in c/o of Utility and Sanitation Department, 3101 Goodman Road West, Horn Lake, MS 38637. If you want to learn more, please attend any of our regularly scheduled meetings on the 1st and 3rd Tuesdays of each month, at 6:00 P.M., in City Hall at 3101 Goodman Road West.

UNREGULATED CONTAMINANTS

If any unregulated contaminants, including those from the UCMR4, are detected, the language below should remain in the report for clarification purposes. Remove the language if no unregulated contaminants were detected. The data for detections of these contaminants need only be included in the report for the year that the samples were taken.

If the water system participated in the UCMR4 (where the water system reported directly to EPA), any detected results must be included in the report.

To retrieve your data, please go to: https://www.epa.gov/dwcmr/occurrence-data-unregulated-contaminant-monitoring-rule

REQUIRED LANGUAGE

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations are warranted.

C								.on of servative.
Lead (								.umbing systems; Erosion of
Chlorine[2]								.ater additive used to control microbes.
Total Trihal Methane (ppb							No	Byproduct of drinking water chlorination.
Xylenes, Total (ppb)					N/A	2021	No	Discharge from petroleum factories; discharge from chemical factories.
Combined Radium (-226 & -228)		PCI/L	1.47 PCI/L	1.47	1.47	2019	No	Erosion of natural deposits.
Gross Alpha, INCL. Radon & U	NA	15	2.7	0	2.7	2019	No	Erosion of natural deposits.
Sodium (PPB)*	20	NA	9.88	7.06	9.88	2021	No	Sodium is not a regulated contaminate.

***To comply with the "Regulation Governing Fluoridation of Community Water Supplies", CITY OF HORN LAKE is required to report certain results pertaining to fluoridation of our water system. The number of months in previous calendar year in which average fluoride sample results were within the optimal range of 0.6 – 1.2 ppm was 12. The percentage of fluoride samples collected in previous calendar year was within the optimal range of 0.6 – 1.2 ppm was 98%. The number of months samples were collected and analyzed in the previous calendar year was 12.**

.. (mg/L).

.per liter (µg/L).

.g not required but recommended.

.g Water Definitions

	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: 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.
MCL	MCL: Maximum Contaminant Level: 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.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variance and Exemption	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	Maximum residual disinfection level goal. 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.
MNR	MNR: Monitored, Not Regulated.
MRDL	Maximum Residual Disinfection Level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of contaminants.
MPL	MPL: State Assigned Maximum Permissible Level.