WATER SUPPL

2015 JUN -9 AM 11:08

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY
CCR CERTIFICATION
CALENDAR YEAR 2014

City of Horn Lake - Holly Hills
Public Water Supply Name

1700024
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 to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, 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. **You must mail, fax or email a copy of the CCR and Certification to MSDH.** ***Please check all boxes that apply.***

Customers were informed of availability of CCR by: ***(Attach copy of publication, water bill or other)***

- ☐ Advertisement in local paper (attach copy of advertisement)
- ☐ On water bills (attach copy of bill)
- ☐ Email message (MUST Email the message to the address below)
- ☐ Other_____

Date(s) customers were informed: ___/___/___, ___/___/___, ___/___/___

✓ CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used USPS

Date Mailed/Distributed: 5/28/2015

CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed:___/___/___

- ☐ As a URL (Provide URL _____)
- ☐ As an attachment
- ☐ As text within the body of the email message

CCR was published in local newspaper. ***(Attach copy of published CCR or proof of publication)***

Name of Newspaper:_____

Date Published: ___/___/___

CCR was posted in public places. ***(Attach list of locations)*** Date Posted:___/___/___

CCR was posted on a publicly accessible internet site at the following address (**DIRECT URL REQUIRED**):

_____

CERTIFICATION

I hereby certify that the 2014 Consumer Confidence Report (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 public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply.

Dir. Operations
Name/Title (President, Mayor, Owner, etc.)

6/5/15
Date

Deliver or send via U.S. Postal Service:
Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

May be faxed to:
(601)576-7800

May be emailed to:
water.reports@msdh.ms.gov

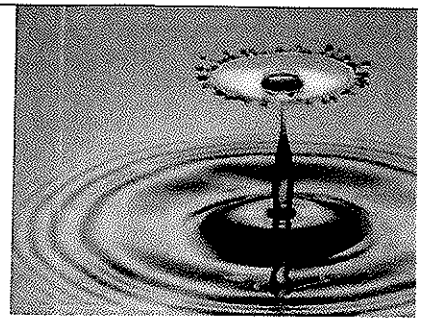
OK

Water Quality Data Table

CORRECTED COPY

of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not he water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range Low	Range High	Sample Date	Violation	Typical Source
s							
200	200	< 15	< 15	< 15	2014	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
6	6	< 0.50	< 0.50	< 0.50	2014	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
0	10	< 0.50	< 0.50	< 0.50	2014	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
2	2	0.0194	0.0132	0.0228	2014	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
4	4	< 0.5	< 0.5	< 0.5	2014	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries.
5	5	< 0.5	< 0.5	< 0.5	2014	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints.
100	100	< 0.5	< 0.5	< 0.5	2014	No	Discharge from steel and pulp mills; Erosion of natural deposits.
4	4	< 0.1	< 0.1	< 0.1	2014	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2	2	< 0.5	< 0.5	< 0.5	2014	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland.
50	50	< 2.5	< 2.5	< 2.5	2014	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
2	2	< 0.5	< 0.5	< 0.5	2014	No	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories.
10	10	0.1275	< 0.08	0.27	2014	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
1	1	< 0.02	< 0.02	< 0.02	2014	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
1.3	1.3=AL	0.14 (89th percentile)	All sites below AL		2011	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
0	15=AL	1.05 (87th percentile)	All sites below AL		2011	No	Corrosion of household plumbing systems; Erosion of natural deposits.
LG = 4	MRDL=4	1.30	0.80	2.10	2014	No	Water additive used to control microbes.
NA	60	3.0 (HAA5)	0.0	3.0	2014	No	Byproduct of drinking water chlorination.
0	80	2.39 (TTHM)	0.0	4.13	2014	No	Byproduct of drinking water chlorination.

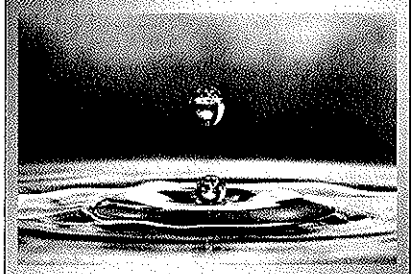


Term	Definition
ppm	ppm: parts per million, or milligra
ppb	ppb: parts per billion, or micrograa
NA	NA: not applicable.
ND	ND: Not detected.
NR	NR: Monitoring not required, but

Important Drinking Water Definitions

Term	Definition
MCLG	MCLG: Maximum Contaminant level of a contaminant in drinking there is no known or expected ris allow for a margin of safety.
MCL	MCL: Maximum Contaminant Le level of a contaminant that is allo water. MCLs are set as close to th feasible using the best available t
TT	TT: Treatment Technique: A requ intended to reduce the level of a c drinking water.
AL	AL: Action Level: The concentrat contaminant which, if exceeded, t other requirements which a water
Variance and Exemption	Variances and Exemptions: State not to meet an MCL or a treatmen certain conditions.
MRDLG	Maximum residual disinfection le of a drinking water disinfectant be no known or expected risk to heal reflect the benefits of the use of di control microbial contaminants.
MNR	MNR: Monitored, Not Regulated.
MRDL	Maximum Residual Disinfection I level of a disinfectant allowed in d There is convincing evidence that infectant is necessary for control o
MPL	MPL: State Assigned Maximum P

2014 Annual Water Quality Report
North Holly Hills
City of Horn Lake
PWS# 170024



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.

North Holly Hills Consumer Confidence Report

Is my water safe?

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 2014 our water department distributed 17,880,639 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://landunlwater.deq.ms.gov/swap/reports/report.aspx?id_0170024

The susceptibility assessment ranking for each well is:

-PWS ID: 170024, Source ID: 1, Susceptibility: Moderate

-PWS ID: 170024, Source ID: 2, 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.

*****A MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING*****

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 – December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at 601.576.7518.

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.

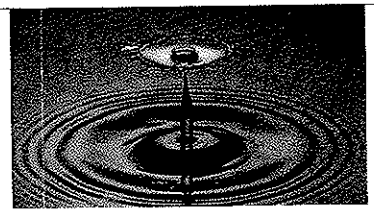
Contact Us

If you have any questions about this report or concerning your water utility, please contact Spencer Shields, the Director of Operations, at 662-342-7099, 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.

Water Quality Data Table

; table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not essarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA he State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

ntaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range Low	Range High	Sample Date	Violation	Typical Source
rganic Contaminants								
anide [as Free] (ppb)	200	200	< 15	< 15	< 15	2014	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
timony (ppb)	6	6	< 0.50	< 0.50	< 0.50	2014	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
senic (ppb)	0	10	< 0.50	< 0.50	< 0.50	2014	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
rium (ppm)	2	2	0.0194	0.0132	0.0228	2014	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
ryllium (ppb)	4	4	< 0.5	< 0.5	< 0.5	2014	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries.
dmium (ppb)	5	5	< 0.5	< 0.5	< 0.5	2014	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints.
romium (ppb)	100	100	< 0.5	< 0.5	< 0.5	2014	No	Discharge from steel and pulp mills; Erosion of natural deposits.
oride (ppm)	4	4	< 0.1	< 0.1	< 0.1	2014	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
ercury norganic] (ppb)	2	2	< 0.5	< 0.5	< 0.5	2014	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland.
lenium (ppb)	50	50	< 2.5	< 2.5	< 2.5	2014	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
allium (ppb)	2	2	< 0.5	< 0.5	< 0.5	2014	No	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories.
itrate [measured Nitrogen] (ppm)	10	10	0.1275	< 0.08	0.27	2014	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
itrite [measured Nitrogen] (ppm)	1	1	< 0.02	< 0.02	< 0.02	2014	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
opper (ppm)	1.3	1.3=AL	0.14 (89th percentile)	All sites below AL		2011	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
ead (ppb)	0	15=AL	1.05 (87th percentile)	All sites below AL		2011	No	Corrosion of household plumbing systems; Erosion of natural deposits.



Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L).
ppb	ppb: parts per billion, or micrograms per liter (µg/L).
NA	NA: not applicable.
ND	ND: Not detected.
NR	NR: Monitoring not required, but recommended.

Important Drinking Water Definitions

Term	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.
[illegible]	[illegible] Residual Disinfection Level: The highest

PS Form 3602-R - Standard Mail - Permit Imprint

Final

Postage Summary

Holly Hills

Account Holder:	NEEL-SCHAFFER 5740 GETWELL RD BLDG 2 SOUTHAVEN, MS 38672 -7361 Contact: JANA LUNSFORD (662) 890 - 6404	**Mailing Agent:**	MEMPHIS DATA & DIRECT MAIL LLC 4222 PILOT DR MEMPHIS, TN 38118 -6932	**Mail Owner:**	NEEL SCHAFFER 5740 GETWELL RD BLDG 2 SOUTHAVEN, MS 38672 -7361
Account Number:	1399710				
Permit:	Permit Imprint 380 Price Eligibility: Regular			**Processing Category:**	Letters
	CRID: 6926094		CRID: 2445259		CRID: 6926094
Post Office Of Mailing:	MEMPHIS TN 38101-9651	**Mailer's Mailing Date:**	05/22/2015	**Weight of Single Piece:**	0.0219 lbs.
Post Office of Permit:	MEMPHIS TN 38101-9651				
Total Pieces:	277 pcs.	**Total Weight:**	6.0663 lbs.	**Total Postage:**	$ 60.17
Sequencing Date:		**Address Matching Date - Automation:**	05/22/2015	**Address Matching Date - Carrier Route:**	05/22/2015

No of Containers:	1' MM Trays	2' MM Trays	2' EMM Trays	Flat Trays	Sacks	Pallets	Other
	5	1					

Move Update Method:	**NCOALink**	**NSA:**	NO
Political Mail: NO		**Official Election Mail:** NO	
Mailpiece is a product sample: NO		**Mailpieces contain a DVD/CD or other Disk: NO**	
Incentive/Discount Claimed: NO		**Type of Fee:** N/A	
Mail Arrival Date and Time: 05/28/2015 14:31		**Payment Date and Time:** 05/28/2015 14:31	
Comments:			
Container Grouping ID:			
Copal Mailing Type:			
SSF TID Number:			

Part A: Automation Letters

Line Number	Entry Discount	Title	Description	Price	Quantity	Subtotal Postage	FS Discount	Discount Total*	Fee Total	Postage
A4	NONE	Mixed AADC	Letters 3.3 oz (0.2063 lbs) or less	0.301	3pcs.	$ 0.9030	$ 0.0030	$ -0.0030	$ 0.0000	$ 0.9000
A9	DSCF	5-Digit	Letters 3.3 oz (0.2063 lbs) or less	0.217	269pcs.	$ 58.3730	$ 0.2690	$ -0.2690	$ 0.0000	$ 58.1040
A11	DSCF	AADC	Letters 3.3 oz (0.2063 lbs) or less	0.235	5pcs.	$ 1.1750	$ 0.0050	$ -0.0050	$ 0.0000	$ 1.1700
A23							Part A Total (Add lines A1-A22)			$ 60.1740
A24		DISPLAY ONLY Letters - Number of Pieces that Comply	Full Service Intelligent Mail Option	0.001	277pcs.					

Total Full Service Discount From All Parts $ -0.2770

Total Postage From All Parts	$ 60.1740
Total From Attached Form 3540-S	N/A
Total Postage	**$ 60.17**

For Extra Services and Other Fees

Total Incentive/Discount Claimed $ - 0.2770

* May contain both Full Service Intelligent Mail and other discount - see Instructions page for additional information.

USPS Use Only

Perform Verification:	**Verification data not available at this time.**			
One Pass/Two Pass Verification				
Received:		**Error Percentage:**	**Additional Postage:**	$ 0.00
A/R/C:		**Cost Avoidance:**	**Verifying Employee's Name:**	
Total Additional Postage:	$ 0.00	**Number of Reworked Pieces:**		

This mailing has been inspected concerning:
(1) eligibility for postage prices claimed;
(2) proper preparation *(and presort where required)*;
(3) proper completion of postage statement; and
(4) payment of annual fee *(if required)*.