

2017 JUN 16 AM 8:34 **CERTIFICATION**

Consumer Confidence Report (CCR)

Horn Lake - Holly Hills  
Public Water Supply Name

170024

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: 6/12/2017

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 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

Spencer Shields, Director of Operations

6/13/17

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

Date

**Submission options (Select one method ONLY)**

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

**Fax:** (601) 576 - 7800

**Email:** [water.reports@msdh.ms.gov](mailto:water.reports@msdh.ms.gov)

**CCR Deadline to MSDH & Customers by July 1, 2017!**

PS Form 3602-R - USPS Marketing Mail - Permit Imprint

Holly Hills Final

Postage Summary

<b>Account Holder:</b>	NEEL-SCHAFFER 5740 GETWELL RD BLDG 2 SOUTHAVEN, MS 38672 -7361  Contact: JANA LUNSFORD (662) 890 - 6404	<b>Mailing Agent:</b>	MEMPHIS DIRECT MAIL 4222 PILOT DR MEMPHIS, TN 38118 -6932	<b>Mail Owner:</b>	HORN LAKE UTILITY AND SANITATION DEPARTMENT 3101 GOODMAN RD W HORN LAKE, MS 38637 -1173		
<b>Account Number:</b>	1399710						
<b>Permit:</b>	Permit Imprint 380			<b>Processing Category:</b>	Letters		
	CRID: 6926094		CRID: 2445259		CRID: 6254679		
<b>Statement FS Fee Waiver %:</b>	100%						
<b>Post Office Of Mailing:</b>	MEMPHIS TN 38101-9651	<b>Mailer's Mailing Date:</b>	06/05/2017				
<b>Post Office of Permit:</b>	MEMPHIS TN 38101-9651						
<b>Mailer Declared Weight of Single Piece:</b>	0.0219 lbs.	<b>Mailer Declared Total Pieces:</b>	276 pcs.	<b>Mailer Declared Total Weight:</b>	6.0444 lbs.		
<b>USPS Determined Weight of Single Piece:</b>	0.0219 lbs.	<b>USPS Determined Total Pieces:</b>	276 pcs.	<b>USPS Determined Total Weight:</b>	6.0444 lbs.		
				<b>Total Postage:</b>	\$ 59.82		
<b>Sequencing Date:</b>		<b>Address Matching Date - Automation:</b>	06/05/2017	<b>Address Matching Date - Carrier Route:</b>	06/05/2017		
<b>No of Containers:</b>	1' MM Trays 3	2' MM Trays	2' EMM Trays	Flat Trays	Sacks	Pallets	Other
<b>Customer Reference ID:</b>	66385-106384						
<b>Move Update Method:</b>	NCOALink	<b>NSA:</b>	NO				
<b>Political Mail:</b>	NO		<b>Official Election Mail:</b> NO				
<b>Mailpiece is a product sample:</b> NO			<b>Mailpieces contain a DVD/CD or other Disk:</b> NO				
<b>Incentive/Discount Claimed:</b> NO	<b>AB Testing Claimed:</b> NO		<b>Type of Fee:</b> N/A				
<b>Mail Arrival Date and Time:</b> 06/12/2017 16:19		<b>Payment Date and Time:</b> 06/12/2017 16:26					
<b>Comments:</b>							
<b>Container Grouping ID:</b>							
<b>Copal Mailing Type:</b>							
<b>SSF TID Number:</b>							

Part A: Automation Letters

Line Number	Entry Discount	Title	Description	Price	Quantity	Subtotal Postage	FS Discount	Discount Total*	Fee Total	Postage
A3	NONE	Mixed AADC	Letters 3.5 oz (0.2188 lbs) or less	0.288	2pcs.	\$ 0.5760	\$ 0.0020	\$ -0.0020	\$ 0.0000	\$ 0.5740
A7	DSCF	5-Digit	Letters 3.5 oz (0.2188 lbs) or less	0.217	271pcs.	\$ 58.8070	\$ 0.2710	\$ -0.2710	\$ 0.0000	\$ 58.5360
A8	DSCF	AADC	Letters 3.5 oz (0.2188 lbs) or less	0.237	3pcs.	\$ 0.7110	\$ 0.0030	\$ -0.0030	\$ 0.0000	\$ 0.7080
A9						Part A Total (Add lines A1-A8)				\$ 59.8180
A10		DISPLAY ONLY Letters - Number of Pieces that Comply	Full Service Intelligent Mail Option	0.001	276pcs.					

Total Full Service Discount From All Parts \$ -0.2760

For Extra Services and Other Fees

**Total Postage From All Parts** \$ 59.8180  
Total From Attached Form 3540-S N/A

**Total Postage** \$ 59.82

Total Incentive/Discount Claimed \$ - 0.2760

2017 JUN 16 AM 8:33

# Letter of Transmittal



Neel-Schaffer, Inc.  
 5740 Getwell Road, Building 2  
 Southaven, MS/ 38672  
 Phone: (662) 890-6404  
 Fax: (662) 890-6407

**To:** Charles Shultis  
MS Department of Health  
Division of Water Supply  
570 E. Woodrow Wilson Avenue  
Jackson, MS 39216  
 \*\*\*Sent Via USPS\*\*\*

**Date** 6/13/2017  
**Project Name** City of Horn Lake CCR's  
**2016 Consumer Confidence Report**  
**N-S Proj. No.** NS.05899.000.015  
**Client Proj. No.** \_\_\_\_\_

### WE ARE SENDING YOU THE FOLLOWING:

<b>Submittal No.</b>	<input checked="" type="checkbox"/>	<b>Attached</b>	<input type="checkbox"/>	<b>Separately via:</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Plans</b>	<input type="checkbox"/>	<b>Specifications</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Change Order</b>	<input type="checkbox"/>	<b>Other:</b> _____

<b>O=</b>	<b>Original</b>
<b>PC=</b>	<b>Photocopy</b>
<b>PR=</b>	<b>Print</b>
<b>R=</b>	<b>Reproducible</b>

**These are transmitted as checked below:**

**As Requested**
                         
  **For Approval**  
 **For Review & Comment**
                         
  **For Use/Information**

No.	Type	Date	Description
			<b>For City of Horn Lake and North Holly Hills</b>
1	O		CCR Certification Statement
1	O		CCR Brochure
1	O		Proof of Distribution

**REMARKS**

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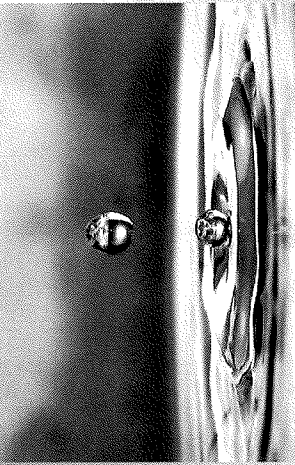
**Copy:** Spencer Shields \_\_\_\_\_ **NEEL-SCHAFFER, INC.**  
Director of Operations \_\_\_\_\_  
City of Horn Lake \_\_\_\_\_ **By:** Jana M. Lunsford, Admin Mgr.

**If enclosures are not as noted, please notify us at once.**

**2016 Annual Water Quality Report**

**North Holly Hills  
City of Horn Lake**

**PWS# 170024  
(CORRECTED)**



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

PRSR STD  
 US POSTAGE PAID  
 MEMPHIS, TN  
 PERMIT NO. 380

**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 2016 our water department distributed 15,734,200 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=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.

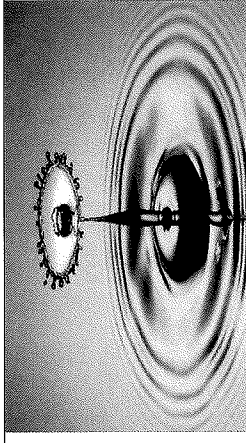
**Why are there contaminants in my drinking water?**  
 Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants 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.

### Corrected Items Highlighted Water Quality Data Table

The 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 necessarily 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 or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
<b>Inorganic Contaminants</b>								
Cyanide [as Free Cn] (ppb)	200	200	15	15	15	2015	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Antimony (ppb)	6	6	< 0.500	< 0.500	< 0.500	2014	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	< 0.500	< 0.500	< 0.500	2014	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium (ppm)	2	2	0.0444	0.0444	0.0444	2014	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Beryllium (ppb)	4	4	< 0.500	< 0.500	< 0.500	2014	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries.
Cadmium (ppb)	5	5	< 0.500	< 0.500	< 0.500	2014	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints.
Chromium (ppb)	100	100	3.200	3.200	3.200	2014	No	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride (ppm)	4	4	0.175	0.175	0.175	2014	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Mercury [Inorganic] (ppb)	2	2	< 0.500	< 0.500	< 0.500	2014	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland.
Selenium (ppb)	50	50	< 2.500	< 2.500	< 2.500	2014	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Thallium (ppb)	0.5	2	< 0.500	< 0.500	< 0.500	2014	No	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories.
Nitrate [measured as Nitrogen] (ppm)	10	10	1.74	1.74	1.74	2016	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Nitrite [measured as Nitrogen] (ppm)	1	1	< 0.02	< 0.02	< 0.02	2016	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Copper (ppm)	1.3	1.3=AL	0.3 (90 <sup>th</sup> percentile)	All sites below AL	All sites below AL	2015-2017	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Lead (ppb)	0	15=AL	5 (90 <sup>th</sup> percentile)	All sites below AL	All sites below AL	2015-2017	No	Corrosion of household plumbing systems; Erosion of natural deposits.
Chlorine <sup>2</sup> (ppm)	MRDLG = 4	MRDL=4	1.40	0.90	2.10	2016	No	Water additive used to control microbes.
Haloacetic Acids (HAA5) (ppb)	NA	60	2.5 (HAA5)	2.0	3.0	2014	No	Byproduct of drinking water chlorination.
Total Trihalo-Methane (ppb)	0	80	3.64 (TTHM)	3.64	3.64	2014	No	Byproduct of drinking water chlorination.



Term	Definition
ppm	parts per million, or milligrams per liter (mg/L).
ppb	parts per billion, or micrograms per liter (µg/L).
NA	not applicable.
ND	Not detected.
NR	Monitoring not required, but recommended.
<b>Important Drinking Water Definitions</b>	
Term	Definition
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	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	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
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.