

RECEIVED - WATER SUPPLY
2009 JUN 29 AM 11:38

APPROVED

BUREAU OF PUBLIC WATER SUPPLY
CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

North Holly Hills
Public Water Supply Name

170024

List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act 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 to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

Please Answer the Following Questions Regarding the Consumer Confidence Report

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

Advertisement in local paper
On water bills
Other _____

Date customers were informed: ____ / ____ / ____

CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:

Date Mailed/Distributed: 6 / 23 / 2009

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

Name of Newspaper: _____

Date Published: ____ / ____ / ____

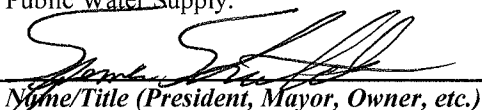
CCR was posted in public places. (*Attach list of locations*)

Date Posted: ____ / ____ / ____

CCR was posted on a publicly accessible internet site at the address: www. _____

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 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.


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

6-25-09
Date

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215
Phone: 601-576-7518

United States Postal Service
CONSOLIDATED POSTAGE STATEMENT -- Standard Mail

RECEIVED-WATER SUPPLY
HOLLY HILLS

2009 JUN 29 AM 11:38
Mail Arrival
Post Office Round Stamp

Mailer

Entry Point: (1) SCF MEMPHIS P&DC, MEMPHIS, TN 38101-7900
Presort: ALL

Permit Holder's Name and Address and Email Address, If Any Neel Schaffer 5740 Getwell	Telephone	Name and Address of Mailing Agent (if other than permit holder) BABER INC 3135 Millbranch Rd MEMPHIS, TN 38116 Customer No.	Telephone 901-332-6300	Name and Address of Individual or Organization for Which Mailing is Prepared (if other than permit holder) Neel Schaffer 139210HM 5740 Getwell Southaven, MS 38672 Customer No.
Southaven, MS 38672 CAPS Cust.Ref.No. Customer No.				

Mailing

Post Office of Mailing MEMPHIS TN 38101-7900	Mailing Date 06/23/2009	Fed Agency Cost Code	Statement Sequence No. 0001	No. and Type of Containers	
Type of Postage <input checked="" type="checkbox"/> Permit Imprint <input type="checkbox"/> Precanceled Stamps <input type="checkbox"/> Metered	Processing Category <input checked="" type="checkbox"/> Letters <input type="checkbox"/> CMM <input type="checkbox"/> Parcels-Machinable <input type="checkbox"/> Letters-Paid as Nonauto Flats <input type="checkbox"/> ECR Letters-Paid as ECR Flats	<input type="checkbox"/> Flats <input type="checkbox"/> NFM <input type="checkbox"/> Parcels-Irregular <input type="checkbox"/> Nonauto Flats	If Sacked, Based on <input type="checkbox"/> 125 pcs <input type="checkbox"/> 15 lbs. <input type="checkbox"/> both	Total Pieces 273 Total Weight 1.6107	0 -Sacks 1 -1' Ltr Trays 0 -2' Ltr Trays 0 -EMH Ltr Trays 1 -TTL Ltr Trays 0 -Flat Trays 0 -Pallets 0 -Other
Permit No. 380	Weight of a Single Piece		0.0059 pounds		

For Mail Enclosed within Another Class Periodicals Bound Printed Matter Library Mail Media Mail Parcel Post

For Automation Price Pieces, Enter Date of Address Matching and Coding 06/19/2009
For Enhanced Carrier Route Price Pieces, Enter Date of Address Matching and Coding / /
For Enhanced Carrier Route Price Pieces, Enter Date of Carrier Route Sequencing / /

Move Update method: Ancillary service endorsement Postforward NCOA Link ACS Alternative method Multiple

Postage

Parts Completed (Select all that apply) <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> S	Total Postage (Add parts totals)	\$	51.87
Price at Which Postage Affixed (Check one) <input type="checkbox"/> Correct <input type="checkbox"/> Lowest <input type="checkbox"/> Neither Complete if the mailing includes pieces bearing metered or precanceled stamps.	pcs, x \$	Postage Affixed	\$
Net Postage Due (Subtract postage affixed from total postage)		\$	51.8700
Additional Postage Payment (State reason)		\$	
For postage affixed add additional payment to net postage due; For permit imprint add additional payment to total postage.	Total Adjusted Postage Affixed	\$	
Postmaster: Report Total Postage in AIC 130 (Permit Imprint only)	Total Adjusted Postage Permit Imprint	\$	

Certification

The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailer is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards and that the mailing qualifies for the prices and fees claimed; and that the mailing does not contain any matter prohibited by law or postal regulation. I understand that anyone who furnishes false or misleading information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment. Privacy Notice: For information regarding our Privacy Policy visit www.usps.com

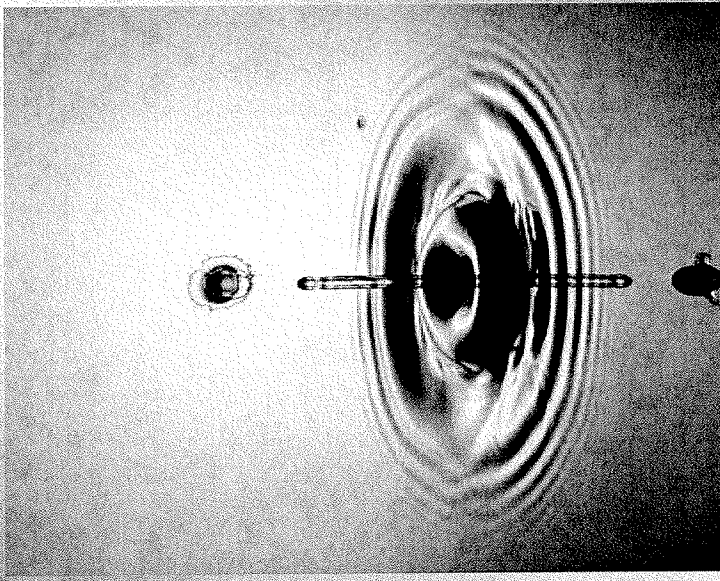
Signature of Mailer or Agent
Printed Name of Mailer or Agent Signing Form
Tom Bartlett
Telephone
901 497-4873

USPS Use Only

Weight of a Single Piece 0. _____ pounds	Are postage figures at left adjusted from mailer's entries? If "yes", state reason.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total Pieces	Total Weight	
Total Postage		
Resort Verification Performed? (check one) <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Mailer Notified	Contact
		By (Initials)
CERTIFY that 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); (5) sufficient funds on deposit (if required).		
USPS Employee's Signature	Print USPS Employee's Name	Time AM PM

Round Stamp (Required)
Date Mail Released

2008 Annual Water Quality
Report
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.

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

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

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

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

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this tab or the State requires us to monitor for certain contaminants less than once per year because the concentration

Contaminants	MCLG	MCL, or	TT, or	Your	Range	Sample	Violation
	MRDLG	MRDL	Water	Low			
Inorganic Contaminants							
Cyanide [as Free Cn] (ppb)	200	200	5	5	5	2008	No
Antimony (ppb)	6	6	0.500	0.500	0.500	2008	No
Arsenic (ppb)	0	10	0.365	0.365	0.365	2008	No
Barium (ppm)	2	2	0.0511	0.0511	0.0511	2008	No
Beryllium (ppb)	4	4	0.100	0.100	0.100	2008	No
Cadmium (ppb)	5	5	0.100	0.100	0.100	2008	No
Chromium (ppb)	100	100	0.500	0.500	0.500	2008	No
Fluoride (ppm)	4	4	0.100	0.100	0.100	2008	No
Mercury [Inorganic] (ppb)	2	2	0.200	0.200	0.200	2008	No
Selenium (ppb)	50	50	0.500	0.500	0.500	2008	No
Thallium (ppb)	0.5	2	0.500	0.500	0.500	2008	No
Nitrate [measured as Nitrogen] (ppm)	10	10	1.69	1.69	1.69	2008	No
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	0.02	0.02	2008	No
Copper (ppm)	1.3	1.3=AL	0.08 (90 th percentile)	All sites below AL		2007	No
Lead (ppb)	0	15=AL	1.06 (90 th percentile)	All sites below AL		2007	No
Chlorine ² (ppm)	MRDLG = 4	MRDL=4	1.57	1.00	1.90	2008	No
Haloacetic Acids (HAA5) (ppb)	NA	60	0.0 (HAA5)	0.0	0.0	2008	No
Total Trihalo-Methane (ppb)	0	80	0.0 (TTHM)	0.0	0.0	2008	No

port. The presence of contaminants in the water does not
 s from testing done in the calendar year of the report. The EPA
 of these contaminants do not change frequently.

Typical Source

Discharge from plastic and fertilizer factories; Discharge from
 steel/metal factories.

Discharge from petroleum refineries; fire retardants; ceramics;
 electronics; solder; test addition.

Erosion of natural deposits; Runoff from orchards; Runoff from
 glass and electronics production wastes.

Discharge of drilling wastes; Discharge from metal refineries;
 Erosion of natural deposits.

Discharge from metal refineries and coal-burning factories;
 Discharge from electrical, aerospace, and defense industries.

Corrosion of galvanized pipes; Erosion of natural deposits;
 Discharge from metal refineries; runoff from waste batteries and
 paints.

Discharge from steel and pulp mills; Erosion of natural deposits.
 Erosion of natural deposits; Water additive which promotes
 strong teeth; Discharge from fertilizer and aluminum factories.

Erosion of natural deposits; Discharge from refineries and
 factories; Runoff from landfills; Runoff from cropland.

Discharge from petroleum and metal refineries; Erosion of
 natural deposits; Discharge from mines.

Discharge from electronics, glass, and leaching from ore-
 processing sites; drug factories.

Runoff from fertilizer use; Leaching from septic tanks, sewage;
 Erosion of natural deposits.

Runoff from fertilizer use; Leaching from septic tanks, sewage;
 Erosion of natural deposits.

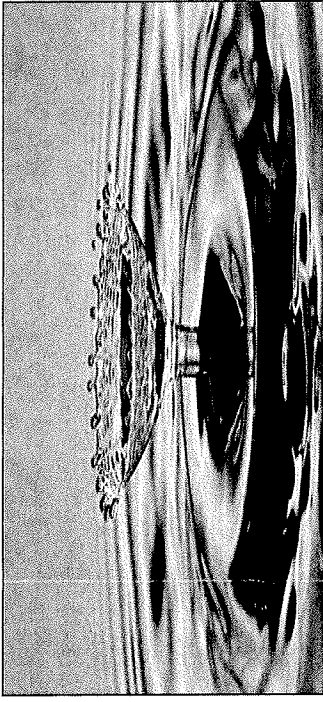
Corrosion of household plumbing systems; Erosion of natural
 deposits; Leaching from wood preservatives.

Corrosion of household plumbing systems; Erosion of natural
 deposits.

Water additive used to control microbes.

Byproduct of drinking water chlorination.

Byproduct of drinking water chlorination.



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.
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.

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 2008 our water department distributed 23,708,982 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.

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.

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 utility director, 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.

APPROVED

RECEIVED
JUN 26 2009
BY _____

BUREAU OF PUBLIC WATER SUPPLY
CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

North Holly Hills
Public Water Supply Name

170024
List PWS ID #s for all Water Systems Covered by this CCR

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On water bills
Other _____

Date customers were informed: ____/____/____

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Date Mailed/Distributed: 6/23/2009

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

Name of Newspaper: _____

Date Published: ____/____/____

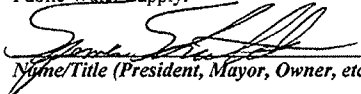
CCR was posted in public places. *(Attach list of locations)*

Date Posted: ____/____/____

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CERTIFICATION

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

6-25-09
Date

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215
Phone: 601-576-7518

United States Postal Service
CONSOLIDATED POSTAGE STATEMENT -- Standard Mail

Holly Hills
Post Office: Note Mail Arrival
Date & Time (Do not Round Stamp)

Entry Point: (1) SCF MEMPHIS P&DC, MEMPHIS, TN 38101-7900
Presort: ALL

Permit Holder's Name and Address and Email Address, If Any Neal Schaffer 5740 Getwell Southaven, MS 38672 CAPS Cust. Ref. No. Customer No.	Telephone	Name and Address of Mailing Agent (if other than permit holder) BABER INC 3135 Millbranch Rd MEMPHIS, TN 38116 Customer No.	Telephone 901-332-6300	Name and Address of Individual or Organization for which Mailing is Prepared (if other than permit holder) Neal Schaffer 13210NN 5740 Getwell Southaven, MS 38672 Customer No.
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Post Office of Mailing
MEMPHIS TN 38101-7900

Mailing Date: 06/23/2009

Fed Agency Cost Code: 0001

Statement Sequence No. 0001

No. and Type of Containers

Type of Postage <input checked="" type="checkbox"/> Permit Imprint <input type="checkbox"/> Pre-cancelled Stamps <input type="checkbox"/> Metered	Processing Category <input checked="" type="checkbox"/> Letters <input type="checkbox"/> Parcels-Machinable <input type="checkbox"/> Letters-Paid as Nonauto Flats <input type="checkbox"/> ECR Letters-Paid as ECR Flats	<input type="checkbox"/> CMM <input type="checkbox"/> Flats <input type="checkbox"/> INFM <input type="checkbox"/> Parcels-Irregular <input type="checkbox"/> Nonauto Flats	If Sacked, Based-on <input type="checkbox"/> 1125 pcs <input type="checkbox"/> 115 lbs. <input type="checkbox"/> Both	Total Pieces 273	Total Weight 1.6107	0 - Sacks 1 - 1" Ltr Trays 0 - 2" Ltr Trays 0 - ECR Ltr Trays 1 - TL Ltr Trays 0 - Flat Trays 0 - Pallets 0 - Other
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Permit No. 380

Weight of a Single Piece 0.0059 pounds

For Automation Price Pieces, Enter Date of Address Matching and Coding 06/19/2009

For Enhanced Carrier Route Price Pieces, Enter Date of Address Matching and Coding

For Enhanced Carrier Route Price Pieces, Enter Date of Carrier Route Sequencing

Move Update Method: Ancillary service endorsement FASTforward NCOA Link ACS (X) Alternative method Multiple

Parts Completed (Select all that apply) A B C D E F G H I J K L S

Price at which Postage Affixed (Check one) <input type="checkbox"/> Correct <input type="checkbox"/> Lowest Complete if the mailing includes pieces bearing metered or pre-cancelled stamps.	Total Postage (Add parts totals)	\$ 51.87
Postage Affixed		\$
Net Postage Due (Subtract postage affixed from total postage)		\$ 51.8700
Additional Postage Payment (State reason)		\$
For postage affixed add additional payment to net postage due; For permit imprint add additional payment to total postage.	Total Adjusted Postage Affixed	\$
Postmaster: Report Total Postage in AIC 130 (Permit Imprint only)	Total Adjusted Postage Permit Imprint	\$

Certification

The mailer's signature certifies acceptance of liability for and agreement to pay any revenue deficiencies assessed on this mailing, subject to appeal. If an agent signs this form, the agent certifies that he or she is authorized to sign on behalf of the mailer, and that the mailing is bound by the certification and agrees to pay any deficiencies. In addition, agents may be liable for any deficiencies resulting from matters within their responsibility, knowledge, or control. The mailer hereby certifies that all information furnished on this form is accurate, truthful, and complete; that the mail and the supporting documentation comply with all postal standards and that the mailing qualifies for the prices and fees claimed; and that the issuing information on this form or who omits information requested on this form may be subject to criminal and/or civil penalties, including fines and imprisonment. Privacy Notice: For information regarding our Privacy Policy visit www.usps.com

Signature of Mailer or Agent: Tom Bartlett

Printed Name of Mailer or Agent Signing Form: Tom Bartlett

Telephone: 901 497-4873

USPS Use Only

Weight of a Single Piece 0.0059 pounds

Total Pieces: 273

Total Weight: 1.6107

Total Postage: \$ 51.87

Postage Verification Performed? (check one)
 Yes No

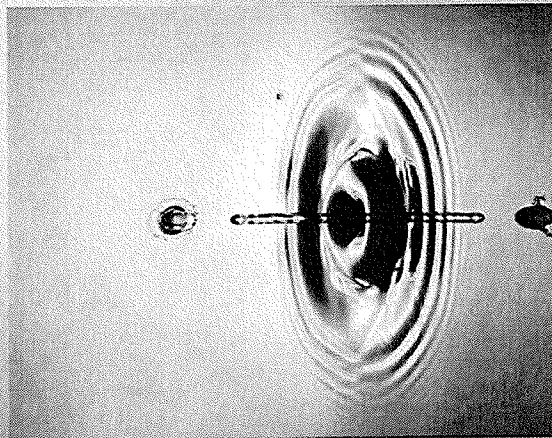
Date Mailing Notified: _____ Contact: _____ By (Initials): _____

CERTIFY that 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); (5) sufficient funds on deposit (if required).

USPS Employee's Signature: _____ Print USPS Employee's Name: _____ Time: AM/PM

Round Stamp (Required)
Date Mailing Released: _____

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Report
Holly Hills
City of Horn Lake
PWS# 170024



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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://hmdh.water.tdec.ms.gov/svap/reports/report.aspx?id=0170024>

The susceptibility assessment ranking for each well is:

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

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Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. The Bureau of Public Water Supply is taking action to resolve this issue as quickly as possible. If you have any questions, please contact Melissa Parker, Deputy Director, 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

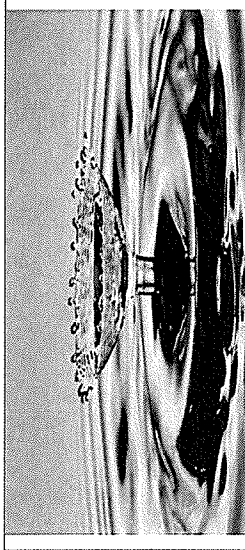
sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up 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 utility director, at 602-342-7099, 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

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	Year Water	Range		Sample Date	Violation	Typical Source
				Low	High			
Inorganic Contaminants								
Cyanide [as Free Cn] (ppb)	200	200	5	5	5	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories.
Antimony (ppb)	6	6	0.500	0.500	0.500	2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.365	0.365	0.365	2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium (ppm)	2	2	0.0511	0.0511	0.0511	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Beryllium (ppb)	4	4	0.100	0.100	0.100	2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries.
Cadmium (ppb)	5	5	0.100	0.100	0.100	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints.
Chromium (ppb)	100	100	0.500	0.500	0.500	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride (ppm)	4	4	0.100	0.100	0.100	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Mercury [Inorganic] (ppb)	2	2	0.200	0.200	0.200	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland.
Selenium (ppb)	50	50	0.500	0.500	0.500	2008	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	2008	No	Discharge from electronics, glass, and leaching from ore-processing sites; drug factories.
Nitrate [measured as Nitrogen] (ppm)	10	10	1.69	1.69	1.69	2008	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	2008	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Copper (ppm)	1.3	1.3=AL	0.08 (90 th percentile)	All sites below AL	AL	2007	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Lead (ppb)	0	15=AL	1.06 (90 th percentile)	All sites below AL	AL	2007	No	Corrosion of household plumbing systems; Erosion of natural deposits.
Chlorine ² (ppm)	MRDLG = 4	MRDL=4	1.57	1.00	1.90	2008	No	Water additive used to control microbes.
Haloacetic Acids (HAA5) (ppb)	NA	60	0.0 (HAA5)	0.0	0.0	2008	No	Byproduct of drinking water chlorination.
Total Trihalo-Methane (ppb)	0	80	0.0 (TTHM)	0.0	0.0	2008	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.
Important Drinking Water Definitions	
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.