

2009 JUN 25 9:25

APPROVED

Direct mail  
or hand delivery

**BUREAU OF PUBLIC WATER SUPPLY**

**CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORM**

CITY OF HERNANDO  
Public Water Supply Name

170009  
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: 6/9/09

- CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:  
Date Mailed/Distributed:  / /

- CCR was published in local newspaper. *(Attach copy of published CCR or proof of publication)*  
Name of Newspaper: DESOTO TIMES TRIBUNE  
Date Published: 6/9/09

- 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.

[Signature]  
Name/Title (President, Mayor, Owner, etc.)

6-16-09  
Date

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

## PROOF OF PUBLICATION

THE STATE OF MISSISSIPPI  
COUNTY OF DESOTO

**Diane Smith** personally appeared before me the undersigned in and for said County and State and states on oath that she is the **CLERK** of the DeSoto Times-Tribune, a newspaper published in the town of Hernando, State and County aforesaid, and having a general circulation in said county, and that the publication of the notice, a copy of which is hereto attached, has been made in said paper 1 consecutive times, as follows, to-wit:

Volume No. 114 on the 9 day of June, 2009  
Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009  
Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009  
Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009  
Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009  
Volume No. \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 2009

Diane Smith

worn to and subscribed before me, this 9 day of June, 2009

Judy H. Douglas

NOTARY PUBLIC STATE OF MISSISSIPPI AT LARGE  
MY COMMISSION EXPIRES: JANUARY 16, 2013  
BONDED THRU DIXIE NOTARY SERVICE, INCORPORATED



4 x 14 @ 6.48  
Single first insertion of \_\_\_\_\_ words @ .12 \$ 362.88  
\_\_\_\_\_ subsequent insertions of \_\_\_\_\_ words @ .10 \$ \_\_\_\_\_

C. Making proof of publication and depositing to same \$ 3.00

TOTAL PUBLISHER'S FEE: \$ 365.88

# THE WATER WE DRINK CITY OF HERNANDO

**PWS ID#170009 JUNE 5, 2009**

We are pleased to provide you with this year's annual water quality report. Our goal is and has always been to provide to you a safe, adequate, and dependable supply of drinking water. Our water source consists of four wells pumping from the Sparta aquifer. Last year we conducted tests for over 80 contaminants, detecting 11, with only one at a level higher than EPA allows. As we told you at the time, our water temporarily exceeded drinking water standards. We are committed to providing you with information because informed customers are our best allies. (For more information see the section labeled Violations and Exceedances at the end of the report.)

Our source water assessment has been completed and copies are available upon request at Hernando City Hall. As required by the Safe Drinking Water Act copies of this report are available to any of our customers upon request at Hernando City Hall, located at 475 West Commerce Street. If you have any questions about this report or concerning your water utility, please contact Van Gates at 662-429-9092. If you want to learn more, please attend any of the City of Hernando's regularly scheduled board meetings. They are held on the first and third Tuesdays of each month, starting at 6:00 pm. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as people 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).

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 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, urban storm-water runoff, and septic systems; and 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.

The table below lists all of the drinking water contaminants that we detected for the period of January 1st to December 31st, 2008. 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. Some of the data, though representative of the water quality, may be more than one year old. In this table you will find terms and abbreviations you might not be familiar with. To better understand these we've provided the following definitions:

MCLG-Maximum Contaminant Level Goal- The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

MCL-Maximum Contaminant Level- The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

MRDLG-Maximum Residual Disinfection Level Goal- The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

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 microbial contaminants.

Ppm- Parts per million or milligrams per liter (mg/L)

Ppb- Parts per billion or micrograms per liter (ug/L)

AL-Action Level- The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

pCi/L- Picocuries per liter (a measure of radioactivity)

Positive Samples/month- Number of samples taken monthly that were found to be positive

| Contaminants  | Units | MCLGor<br>MRDLG | MCLAL or Your<br>MRDL WATER | Sample<br>DATE | Violation<br>Yes/No | Typical Source   |                                      |
|---|-------|-----------------|-----------------------------|----------------|---------------------|--|--------------------------------------|
| <b>Disinfectants &amp; Disinfection By-Products</b> (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants) |       |                 |                             |                |                     |  |                                      |
| Chlorine (CL2)  | Ppm   | 4               | 4                           | 2008           | NO                  | Water additive used to control microbes  |                                      |
| <b>Radioactive Contaminants</b>   |       |                 |                             |                |                     |  |                                      |
| Alpha Emitters  | pCi/L | 0               | 15                          | 2008           | NO                  | Erosion of natural deposits  |                                      |
| Radium (226/228combined)  | pCi/L | 0               | 5                           | 2008           | NO                  | Erosion of natural deposits  |                                      |
| Uranium   | ug/L  | 0               | 30                          | 2008           | NO                  | Erosion of natural deposits  |                                      |
| <b>Inorganic Contaminants</b>   |       |                 |                             |                |                     |  |                                      |
| Arsenic   | Ppb   | 0               | 10                          | 2008           | NO                  | Erosion of natural deposits; runoff from Orchards; runoff from glass and Electronics production wastes                   |                                      |
| Barium  | Ppm   | 2               | 2                           | 2008           | NO                  | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits                               |                                      |
| Copper  | Ppm   | 1.3             | 1.3                         | 2007           | NO                  | Corrosion of household plumbing systems; Erosion of natural deposits   |                                      |
| Fluoride  | Ppm   | 4               | 4                           | 2008           | NO                  | Water additive that promotes strong teeth; Erosion of natural deposits; discharge from Fertilizer and aluminum factories |                                      |
| Lead  | Ppb   | 0               | 1.5                         | 2007           | NO                  | Corrosion of household plumbing systems; Erosion of natural deposits   |                                      |
| Nitrate   | Ppm   | 10              | 10                          | 2005           | NO                  | Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits                              |                                      |
| <b>Microbiological Contaminants</b>   |       |                 |                             |                |                     |  |                                      |
| Total Coliform  |       |                 |                             |                |                     |  |                                      |
| Positive Samples/<br>Month  |       | 0               | 1                           | 2              | 2008                | YES  | Naturally present in the environment |

\*\*\*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. SouthWest Water Company is responsible for providing high quality drinking water, but cannot control the quality 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 \$10.00 per sample. Please contact 601-576-7582; if you wish to have your water tested.

### Violations and Exceedances

**Total Coliform -** Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. The violation occurred in October 2008. It was resolved within two weeks. For each detect of total coliform, additional samples were collected at the sites where total coliform was detected as well as upstream and downstream of each site. Final results showed all samples free of total coliform. Extensive flushing of the water mains in the area took place during this sampling period.

### \*\*\*\*\*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. 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.

Unmailed  
6/17/09

SDWIS  
14,500 pop  
See attached  
letter

RECEIVED-WATER SUPPLY  
2009 JUL -1 AM 8:40

AMENDED  
BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2008 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORM

CITY OF HERNANDO  
Public Water Supply Name

170009  
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**Please Answer the Following Questions Regarding the Consumer Confidence Report**

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  - Advertisement in local paper
  - On water bills
  - Other NOTICE ON WATER BILLS

Date customers were informed: 6/9/09

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

Date Mailed/Distributed:  / /

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

Name of Newspaper: DESOTO TIMES TRIBUNE

Date Published: 6/9/09

- 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. cityofhernando.org

**CERTIFICATION**

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[Signature]  
Name/Title (President, Mayor, Owner, etc.)

6-16-09  
Date

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

[Signature] 6/29/09

RECEIVED-WATER SUPPLY

2009 JUL -1 AM 8:41

| ACCOUNT NO. | SERVICE FROM | SERVICE TO |
|-------------|--------------|------------|
| [REDACTED]  | 05/15        | 06/15      |

SERVICE ADDRESS  
 [REDACTED] HIGHWAY 51 SOUTH

| CURRENT | METER HEADINGS<br>PREVIOUS | USED |
|---------|----------------------------|------|
| 43      | 40                         | 3    |

CHARGE FOR SERVICES

|              |       |
|--------------|-------|
| WTR          | 10.65 |
| SWR          | 5.33  |
| WW           | 3.00  |
| DCR          | 6.00  |
| TAX          | .75   |
| NET DUE >>>  | 25.73 |
| SAVE THIS >> | 2.75  |
| GROSS DUE >> | 28.48 |

RETURN THIS STUB WITH PAYMENT TO:  
**CITY OF HERNANDO**  
 475 WEST COMMERCE STREET  
 HERNANDO, MS 38632-2197

PRESORTED  
 FIRST-CLASS MAIL  
 U.S. POSTAGE  
 PAID  
 PERMIT NO. 1  
 HERNANDO, MS

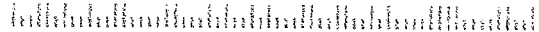
| PAY NET AMOUNT<br>ON OR BEFORE<br>DUE DATE | DUE DATE  | PAY GROSS<br>AMOUNT AFTER<br>DUE DATE |
|--|-----------|---------------------------------------|
|  | 7/10/2009 |                                       |
| NET AMOUNT                                 | SAVE THIS | GROSS AMOUNT                          |
| 25.73                                      | 2.75      | 28.48                                 |

COPIES OF CCR ARE AVAILABLE  
 AT CITY HALL OR WEBSITE

RETURN SERVICE REQUESTED

[REDACTED]

[REDACTED] HIGHWAY 51 S  
 HERNANDO MS 38632-2135





**CITY OF HERNANDO**  
**475 WEST COMMERCE STREET**  
**HERNANDO, MISSISSIPPI 38632-2197**  
**PHONE 662-429-9092 FAX 662-429-9099**

RECEIVED-WATER SUPPLY  
2009 JUL -1 AM 8:40

June 23, 2009

**Bureau of Public Water Supply**  
**Attn: Karen Walters**  
**P. O. Box 1700**  
**Jackson, MS 39215**

**Dear Ms. Walters:**

**The City of Hernando population served by our water system is approximately 9,185. Hernando has North Mississippi Utility and Nesbit Water Association that also serves water within our corporate limits.**

**Attached is the amended 2008 Consumer Confidence Report Certification Form. Per your conversation with Mark Pressgrove, Southwest Water, in addition to publishing the CCR in the local newspaper, we have published the CCR on our website [www.cityofhernando.org](http://www.cityofhernando.org) and put a notice on our utility bills that the CCR could be viewed on our website.**

**Thank you for your cooperation in this matter.**

**Sincerely,**

**Jannett Riley**  
**City Clerk**

# 2008 CCR Contact Information

Date: 6/22/09

Time: 3:49

PWSID: 170009

System Name: Hernando

Lead/Copper Language

MSDH Message re: Radiological Lab

MRDL Violation

Chlorine Residual (MRDL) RAA

Other Violation(s) \_\_\_\_\_

Will correct report & mail copy marked "corrected copy" to MSDH.

Will notify customers of availability of corrected report on next monthly bill.

Mr Prossgrove prepared the CCR But the  
City Published it, he will let them know the  
CCR has to be mail or handed delivered by  
July 1, 2009

*Population  
14,500  
Must mail  
to customer  
or Hand Deliv*

Spoke with Mark Prossgrove 602 404-2441  
(Operator, Owner, Secretary)