



MISSISSIPPI STATE DEPARTMENT OF HEALTH

BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

CITY OF CORINTH GAS & WATER Dept.
Public Water Supply Name

020002
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.

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 COMCAST TV (CNN, TNT, USA) LOCAL

Date customers were informed: 6/13/10 - 6-27-10

- CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:
Date Mailed/Distributed: 8/29/10

- CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)
Name of Newspaper: THE DAILY CORINTHIAN
Date Published: 6/19 + 16-23-2010

- CCR was posted in public places. (Attach list of locations)
Date Posted: 6/30/10 CHAMBER OF COMMERCE, N.E. MS. REGIONAL LIBRARY

- CCR was posted on a publicly accessible internet site at the address: www.CORINTH GAS AND WATER.COM

CERTIFICATION

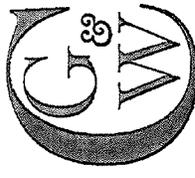
I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above.

WATER TREATMENT MGR.
Name/Title (President, Mayor, Owner, etc.)

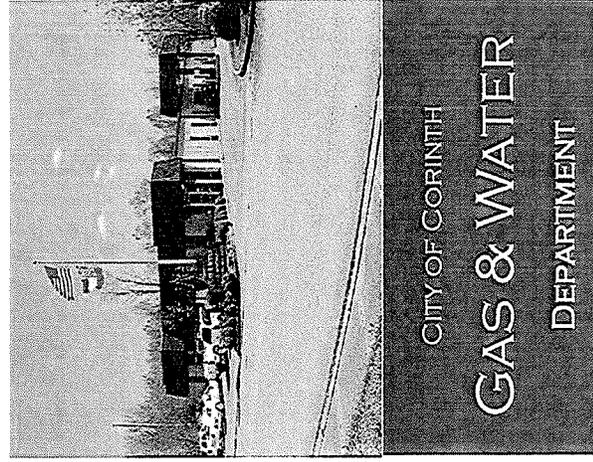
6-22-10
Date

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

0020002  
Rec'd  
5/19/10



# 2010 WATER QUALITY REPORT



CITY OF CORINTH  
**GAS & WATER**  
DEPARTMENT

US POSTAGE PAID  
PRST STD

Corinth Gas and Water Department  
P.O. Box 1870  
Corinth, MS 38835



**CONTINUING OUR COMMITMENT**  
**Mission Statement**  
To assure the availability of a consistently adequate supply of natural gas and water while providing for the highest quality service possible at a reasonable cost to our customers consistent with good management and sound business practices.  
All the information in this Annual Water Quality Report has been prepared in accordance with the standards established by the Environmental Protection Agency (EPA) and includes details about where your water comes from, what it contains and how it compares to standards set by the regulatory agencies.  
We are proud to report that the water provided to you by The Corinth Gas & Water Department meets or exceeds all federal and state requirements for quality and safety.

- SYSTEM IMPROVEMENTS**  
2010 - 11
1. Construction of the surface water treatment plant.
  2. Installation of transmission and distribution water lines.
  3. Construction of raw water lines and intake structure - fall 2010.

**DO YOU WANT MORE INFORMATION?**  
If you are interested in learning more about the Corinth Gas and Water Department, or if you have any questions concerning water quality, our office is located at 305 West Waldron Street. Our office hours are from 8:00 AM to 5:00 PM, Monday through Friday. You can also call us at (662) 286-2263. Our contact person is David Bass. The City of Corinth Public Utility Commission meets at 7:00 PM on the second Monday of each month at the address above. Board meetings are open to the public.

**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. Corinth Gas and Water 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 the 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 <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Laboratory offers lead testing for \$10 per sample. Please call 601-576-7518 if you wish to have your water tested.



**Water Treatment Plant**  
Construction of the Clifford G. Worsham Surface Water Treatment Facility is underway. The completion date is Spring 2013. The surface water project is a major investment that will provide a long-term, dependable water supply for the future and prove vital to the economic growth in this region.

**TREATED WATER QUALITY SUMMARY**

The table below lists all of the drinking water contaminants that we detected during the 2009 calendar year. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Except as indicated, 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.

CONTAMINANT	MCL	MCLG	LEVEL DETECTED	RANGE DETECTED	SAMPLE DATE	TYPICAL SOURCE
<b>INORGANIC CONTAMINANTS</b>						
ANTIMONY	.006 mg/l	.006 mg/l	<0.0005 mg/l		2009	Discharge from petroleum refineries, fire retardants
ARSENIC	0.010 mg/l	NA	<0.0005 mg/l		2009	Erosion of natural deposits, runoff from orchards
BARIUM	2 mg/l	2 mg/l		.294332 mg/l	2009	Erosion of natural deposits
BERYLLIUM	0.004 mg/l	0.004 mg/l	<0.0001 mg/l		2009	Discharge from metal refineries and coal-burning factories
CADMIUM	0.005 mg/l	0.005 mg/l	<0.0001 mg/l		2009	Corrosion of galvanized pipes, erosion of natural deposits
CHROMIUM	0.100 mg/l	0.100 mg/l	0.00789 mg/l		2009	Erosion of natural deposits
FLOURIDE	4.0 mg/l	4.0 mg/l		.485 mg/l - 1.0 mg/l	2009	Additive that promotes strong teeth, erosion of natural deposits
MERCURY	0.002 mg/l	0.002 mg/l	<0.0002 mg/l		2009	Erosion of natural deposits
SELENIUM	0.05 mg/l	0.05 mg/l		.0025 mg/l	2009	Erosion of natural deposits
THALLIUM	.002 mg/l	.002 mg/l	<0.0005 mg/l		2009	Discharge from electronics, glass, and drug factories
LEAD+	AL=15 ppb	0 ppb		<.0005 - <.0012 mg/l	2009	Customer plumbing and service connection
COPPER+	AL=1.3 mg/l	1.3 mg/l		.0022 mg/l - .3561 mg/l	2009	Customer plumbing and service connection
NITRATE	10 mg/l	10 mg/l	<0.02 mg/l		2009	Erosion of natural deposits, runoff from fertilizer use
NITRITE	1 mg/l	1 mg/l	<0.05 mg/l		2009	Erosion of natural deposits, runoff from fertilizer use
NITRATE+NITRITE	10 mg/l	10 mg/l	<0.25 mg/l		2009	Erosion of natural deposits, runoff from fertilizer use

**VOLATILE ORGANIC CONTAMINANTS**

CHLORINE TOTAL	4 mg/l	4 mg/l	1.39 mg/l		2009	Water additive to control microbes
TRICHALOMETHANES	80 ppb	NA	0 ppb		2008	By-products of drinking water chlorination
HALOACETIC ACID	60 ppb	NA	6.0 ppb		2008	By-products of drinking water chlorination

**ADDITIONAL CONTAMINANTS**

IRON ++*	.3 mg/l	NA		.10 mg/l - 0.41 mg/l ^	2009	Erosion of natural deposits
MANGANESE++	.05 mg/l	NA		0.016 mg/l - 0.141 mg/l ^	2006	Erosion of natural deposits
COLIFORM	1 positive	1 positive		0 Positive	2009	

\* Tests are required annually ++Test results before treatment + Test required every 3years ^ Results before filtration

**TABLE OF DEFINITIONS**

**AL (Action Level):** The concentration of a contaminant which, if exceeded, triggers a treatment of other requirements which a water system must follow.

**MCL (Maximum Contaminant Level):** The highest level of a contaminant that is allowed in drinking water. Primary MCL's are set as close to the MCLG's as is economically and technologically feasible.

**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 are set by the U. S. Environmental Protection Agency.

**MRDL (Maximum Residual Disinfectant Level):** The level of a disinfectant added for water treatment that may not be exceeded at the consumers tap.

**MRDLG (Maximum Residual Disinfectant Level Goal):** The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDL's are set by the U. S. Environmental Protection Agency.

**SOURCE WATER ASSESSMENT**

The Safe Drinking Water Act (1996) mandates states to develop and implement Source Water Assessment Programs designed to notify public water systems and their customers regarding the susceptibility of the potable water supply to contamination (i.e. spills, floods, etc.). The Mississippi Department of Environmental Quality has completed our SWA. MDEQ has determined the rankings of our wells as follows: 3 wells "low", 7 wells "moderate", and 2 wells "high". These rankings are used to notify systems in Mississippi of the relative susceptibility of their wells to contamination. Wells with high ranking have a higher chance of becoming contaminated than the average public water well in Mississippi, but they should not be considered as unsafe sources of drinking water. Likewise, it should not be construed that those public water system wells with low susceptibility rankings are totally immune from contamination events; however, such wells are less susceptible than the average well operating in the state. A moderate susceptibility ranking signifies wells that have an average chance of becoming contaminated; these wells serve as the norm or standard for comparison. The final susceptibility ranking represents a "snap shot" in time, and thus, are subject to modification as conditions associated with wells and potential contaminant sources located around wells change with time. A copy of the Source Water Assessment for Corinth's water system is available for viewing at our office during business hours.

**CALL BEFORE YOU DIG**

YOU CAN SUBMIT A REQUEST ON-LINE @ [WWW.MSICALL.ORG](http://WWW.MSICALL.ORG)

OR

YOU CAN CALL 811 TO SUBMIT A REQUEST

## PUBLIC NOTICE

With the passage of the 1996 Safe Drinking Water Act amendments, the US Environmental Protection Agency requires each community water system to provide their customers a Water Quality Report once a year.

Water customers of the Corinth Gas & Water System should receive their report by July 1, 2010. During the weeks of June 13, 2010 and June 20, 2010 watch CNN, TNT, and USA channels for more information.

### CONTINUING OUR COMMITMENT

Corinth Gas & Water Department's number one priority is providing all our customers with a safe and reliable supply of drinking water. Our employees are working each day to ensure that the water delivered to you meets all regulatory requirements and your expectations for safety, reliability and quality.

All the information in this Annual Water Quality Report has been prepared in accordance with the standards established by the Environmental Protection Agency (EPA) and includes details about where your water comes from, what it contains and how it compares to standards set by the regulatory agencies.

**We are proud to report that the water provided to you by The Corinth Gas & Water Department meets or exceeds all federal and state requirements for quality and safety.**

### WATER SOURCE AND SUBSTANCES

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. Corinth Gas & Water operates 11 wells which draw from the Paleozoic Aquifer. An aquifer is an underground bed or layer of earth, gravel or porous stone that yields water. As water travels through the ground, it dissolves naturally occurring minerals and radioactive material, and can be polluted by animal or human activity. Contaminants that may be present in untreated (source) water are classified as microbial, inorganic, organic chemical, pesticides and radioactive material. In order to ensure that water is safe to drink, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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 U.S. Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791

### SPECIAL INFORMATION

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons include people with cancer undergoing chemotherapy, persons who have undergone organ transplants, persons having 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. The Environmental Protection Agency and the Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

*Cryptosporidium* is a microscopic organism found in animal waste and not normally found in underground water systems. **Cryptro has never been found in the Corinth Water System.** If it were found it could be eliminated by an effective treatment combination including filtration, sedimentation and disinfection.

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DEFINITIONS	Want more information??
<p><b>MCL (Maximum Contaminant Level):</b> The highest level of a contaminant that is allowed in drinking water.</p> <p><b>MCLG (Maximum Contaminant Level Goal):</b> The level of a contaminant in drinking water below which there is no known or expected risk to health.</p> <p><b>ppb (parts per billion):</b> One part substance per billion parts of water. Or Ug/l. micrograms per liter.</p> <p><b>Mg/l (milligrams per liter):</b> One milligram of substance per liter of water.</p> <p><b>AL (Action Level)</b> The concentration level which triggers treatment or other requirements which a system must follow.</p> <p>The results listed show no detection at or below the MCL for the VOC contaminants identified and therefore do not present a risk to the public.</p>	<p>If you are interested in learning more about the Corinth Gas and Water Department, or if you have any questions concerning water quality, our office is located at 305 West Waldron Street. Our office hours are from 8:00 AM to 5:00 PM, Monday through Friday. You may also call us at (662) 286-2263. The Corinth Gas and Water Department Public Utility Commission meets at 7:00 PM on the second Monday of each month at the address above. Board meetings are open to the public.</p>

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