

**MISSISSIPPI STATE DEPARTMENT OF HEALTH  
BUREAU OF PUBLIC WATER SUPPLY  
CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORM**

**CITY OF IUKA**  
Public Water Supply Name

**0710006**

PWS ID#(s) (List 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:

Advertisement in local paper

On water bills

Other

Date customers were informed: 6 / 1 / 2010

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 & proof of publication)

Name of Newspaper: Tishomingo County Vidette

Date Published: 5 / 27 / 2010

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 official by the Mississippi State Department of Health, Bureau of Water Supply.

**Jackie Bryant, Mayor**

Name/Title (President, Mayor, Owner, etc.) Please type/print

Signature

Date

6 / 2 / 2010

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

2010 JUN -7 AM 9:27

RECEIVED - WATER SUPPLY

# 2009 Annual Drinking Water Quality Report

## City of luka

### PWS ID #0710006

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#### **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 set for quality and safety. Local Water vigilantly safeguards its water supplies and once again we are very proud that our system has not violated a maximum contaminant level or any other water quality standard. This report shows the results for our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2009. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. We are committed to providing you with information because informed customers are our best allies.

#### **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 guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbiological contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

#### **Where does my water come from?**

Our water source consists of four (4) wells; three that draw from the Paleozoic Aquifer and one drawing from the Fort Payne Chert Aquifer.

#### **Source water assessment and its availability:**

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing at our office upon request. Listed below are the ratings for the wells of the City of luka.

- Well # 710006-01 – moderate rating on source water assessment
- Well # 710006-02 – higher rating on source water assessment
- Well # 710006-04 – moderate rating on source water assessment
- Well # 710006-05 – lower rating on source water assessment

#### **Why are there contaminants in my drinking water?**

All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these 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 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; 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.

### How can I get involved?

Please join us for our monthly meetings. Our board meets monthly on the first Tuesday night of each month at 7:00 PM at City Hall at 118 S Pearl Street. We encourage all customers with concerns or questions to meet with us.

## FOR MORE INFORMATION CONTACT:

<i>City of Iuka Water Department</i>
<i>ATTN: Josh Clingan</i>
<i>118 S Pearl Street</i>
<i>Iuka MS 38852</i>
<i>Phone: 662-423-9879</i>

### 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 Iuka 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.

### Monitoring and reporting of compliance data violations

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. Beginning January 1, 2004, the Mississippi State Department of Health (MSDH) required public water systems that use chlorine as a primary disinfectant to monitor/test for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. Our water system passed all of these monitoring requirements. We did complete the monitoring requirements for bacteriological sampling that showed no coliform present. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

The tables below list all 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 and the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

# City of Iuka

## PWS ID # 0710006

### 2009 WATER QUALITY DATA TABLE

Contaminants (units)	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
<b>Disinfectants &amp; Disinfection By-Products</b>								
Chlorine (ppm)	4	4	1.10	0.37	1.10	2009	No	Water additive used to control microbes
HAA5 {Haloacetic Acids} (ppb)	0	60	6.0	N/A	N/A	2008	No	By Product of drinking water chlorination
<b>Inorganic Contaminants</b>								
Barium (ppm)	2	2	0.009	N/A	N/A	2006	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Cadmium (ppm)	0.005	0.005	0.0003	N/A	N/A	2005	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries runoff from waste batteries and paints
Chromium (ppm)	0.1	0.1	0.001	N/A	N/A	2005	No	Discharge from steel and pulp mills; Erosion of natural deposits.
Nitrate {measured as Nitrogen} (ppm)	10	10	0.20	N/A	N/A	2009	No	Runoff from fertilizer user; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite {measured as Nitrogen} (ppm)	1	1	0.05	N/A	N/A	2009	No	Runoff from fertilizer user; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	50	50	0.05	N/A	N/A	2005	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines

Contaminants (units)	MCLG	AL	Your Water	# Samples Exceeding AL	Exceeds AL	Sample Date	Typical Source
<b>Inorganic Contaminants (Lead and Copper)</b>							
Copper (ppm)	1.3	1.3	0.5	0	No	2008	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	0	15	7	0	No	2008	Corrosion of household plumbing systems; Erosion of natural deposits

<b>Important Drinking Water Definitions</b>	
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.
AL - Action Level	The concentration of a contaminant which, if exceeded, triggers a treatment or other requirements which a water system must follow.
TT-Treatment Technique	A required process intended to reduce the level of a contaminant in drinking water.
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.
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.
MNR - Monitored Not Regulated	
MPL - State Assigned Maximum Permissible Level	

<b>Unit Descriptions</b>	
ppb - Parts per billion, or micrograms per liter (ug/l)	ppm - Parts per million, or milligrams per liter (mg/l)
pCi/L - Picocuries per liter (a measure of radioactivity)	NA - not applicable
ND - Not detected	NR - Monitoring not required, but recommended

# PROOF OF PUBLICATION

STATE OF MISSISSIPPI,  
TISHOMINGO COUNTY.

Personally appeared before me, the undersigned, Notary Public court, in and for said county, John H. Biggs, of the Tishomingo County News, a newspaper published in the Town of Iuka, in said county, who being duly sworn, deposes and says that the "notice," a copy of which is hereto attached, was published in said newspaper for one consecutive weeks, to wit:

In Vol. .... <u>126</u> .....	No. .... <u>42</u> .....	Dated .... <u>May 27</u> .....	20 .. <u>10</u> .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....
In Vol. .... ..	No. .... ..	Dated .... ..	20 .....

John H. Biggs, Publisher

Sworn to and subscribed before me this 2nd day of June, A.D., 20 10

Charlette B. MWay  
Notary Public

Fees \_\_\_\_\_

CCR STATEMENT My Commission Expires March 4, 2013

Publishing _____ words, 12 cents first insertion .....	\$ <u>150.00</u>
Publishing _____ words, 10 cents for each subsequent insertion .....	\$ _____
.....	\$ _____
Making proof of publication .....	\$ <u>3.00</u>
.....	\$ _____
Total .....	\$ <u>153.00</u>

**Is my water safe?**  
 Let's face it, in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and state drinking water health standards, set for quality and safety. Local water utility regulations for its water supplies and distribution are very strict and our system has not violated a maximum contaminant level or any other water quality standard. This report is the first for monitoring for the period of January 1 to December 31, 2009. Regulatory agencies are detail about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. We are committed to providing you with information because informed customers are our best asset.

**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's current guideline on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

**Where does my water come from?**  
 Our water source consists of four (4) wells, three that draws from the Pelkonon Aquifer and one drawing from the Fort Payne Chert Aquifer.

**Source water assessment and its availability.**  
 The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to known potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing in our office upon request. Listed below are the ratings for the wells of the City of Iuka.

- Well # 710006-03 - moderate rating on source water assessment
- Well # 710006-02 - higher rating on source water assessment
- Well # 710006-04 - moderate rating on source water assessment
- Well # 710006-05 - lower rating on source water assessment

**Why are there contaminants in my drinking water?**  
 All drinking water, including bottled water, may occasionally contain at least small amounts of some contaminants. It is important to remember that the presence of these 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 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 activities. Natural contaminants, such as radon, arsenic, and selenium, 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 chemicals, petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and inorganic 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.

**How can I get involved?**  
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**FOR MORE INFORMATION CONTACT:**

**City of Iuka Water Department**  
 ATTN: Josh Clingan  
 1115 S Pearl Street  
 Iuka, MS 38852  
 Phone: 662-423-9814

**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 Iuka 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 use bottled water for drinking, 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 at 1-800-426-4791. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact 601-576-7267 if you wish to have your water tested.

**Monitoring and reporting of compliance data violations**  
 We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indication of whether or not your drinking water meets health standards. Beginning January 1, 2004 the Mississippi State Department of Health (MSDH) requires public water systems that use chlorine as a primary disinfectant to monitor for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. Our water system passed all of these monitoring requirements. The full compliance monitoring requirements for our water system passed all of these monitoring requirements. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period. The tables below list all the drinking water contaminants that we monitor 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 and the State require us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

**City of Iuka  
 PWS ID # 0710006  
 2009 WATER QUALITY DATA TABLE**

Contaminant (Unit)	MSDGH MCLG	MSDGH MCL	MSDGH Action Level	MSDGH Reporting Level	MSDGH Reporting Frequency	MSDGH Reporting Method	MSDGH Reporting Date	MSDGH Reporting Location	MSDGH Reporting Status	MSDGH Reporting Comments
<b>Chlorine (ppm)</b>	1.0	1.0	0.37	1.10	2009	No	None	Measure used to control disinfection	No	None
<b>Lead (ppb)</b>	0	0	0.0	N/A	2008	No	None	By Product of drinking water disinfection	No	None
<b>Inorganic Contaminants</b>										
<b>Barium (ppm)</b>	2	0.05	N/A	N/A	2008	No	None	Discharge of drilling waste, Discharge from natural deposits, Erosion of natural deposits	No	None
<b>Cadmium (ppm)</b>	0.005	0.005	0.005	N/A	2005	No	None	Discharge from natural deposits, Discharge from metal refineries, Discharge from waste water treatment plants	No	None
<b>Chromium (ppm)</b>	0.1	0.1	0.01	N/A	2005	No	None	Discharge from steel and pulp mills, Erosion of natural deposits	No	None
<b>Nitrate (measured as nitrogen) (ppm)</b>	10	10	0.20	N/A	2008	No	None	Runoff from livestock, Leaching from septic tanks, sewage, Erosion of natural deposits	No	None
<b>Nitrite (measured as nitrogen) (ppm)</b>	1	1	0.05	N/A	2008	No	None	Leaching from septic tanks, sewage, Erosion of natural deposits	No	None
<b>Selenium (ppm)</b>	50	50	0.05	N/A	2005	No	None	Discharge from petroleum and metal refineries, Erosion of natural deposits, Discharge from coal	No	None
<b>Organic Contaminants (Total Trihalomethanes (TTHM) (ppm))</b>	0.1	0.1	0.05	N/A	2008	No	None	By-product of drinking water disinfection	No	None
<b>Organic Contaminants (Total Trihalomethanes (TTHM) (ppm))</b>	1.3	1.3	0.5	0	2008	No	None	Corrosion of household plumbing systems, Erosion of natural deposits	No	None
<b>Lead (ppb)</b>	0	15	0	0	2008	No	None	Corrosion of household plumbing systems, Erosion of natural deposits	No	None

**Important Drinking Water Definitions:**  
 MCLG - Maximum Contaminant Level: The level of a contaminant in drinking water below which there is no known or expected health risk.  
 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.  
 Action Level: The concentration of a contaminant which, if exceeded, triggers a treatment or other requirements which a water system must follow.  
 Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.  
 MGDG - Maximum Residual Disinfectant Level Goal: The level of disinfectant in drinking water intended to control microbial contamination. MGDGs do not reflect the benefits of the use of disinfectants to control microbial contamination.  
 MRDL - Maximum Residual Disinfectant Level: The highest level of a disinfectant allowed in drinking water. This is conveying evidence that addition of a disinfectant is necessary for control of microbial contaminants.  
 MTR - Maximum Trihalomethanes.  
 MFL - State Assigned Maximum Permissible Level.

ACCOUNT NO.	SERVICE FROM	SERVICE TO
040119103	04/23	05/23

**SERVICE ADDRESS**  
904 MAIN ST S

CURRENT	METER READINGS		USED
	PREVIOUS		
11406	11392		14 W
6925	6920		5 G

CHARGE FOR SERVICES		
GAS		7.50
WTR		7.50
SEW		7.50
GRB		7.25
NET DUE >>>		29.75
SAVE THIS >>		2.98
GROSS DUE >>		32.73

RETURN THIS STUB WITH PAYMENT TO.

CITY OF IUKA UTILITIES  
118 S. PEARL STREET  
IUKA, MS 38852

PRESORTED  
FIRST-CLASS MA  
U.S. POSTAGE  
PAID  
PERMIT NO. 11  
IUKA, MS

PAY NET AMOUNT ON OR BEFORE DUE DATE	DUE DATE	PAY GROSS AMOUNT AFTER DUE DATE
	06/16/2010	
NET AMOUNT	SAVE THIS	GROSS AMOUNT
29.75	2.98	32.73

2009 CCR IS NOW AVAILABLE  
AT CITY HALL.

**RETURN SERVICE REQUESTED**

040119103  
MITCH DULWORTH  
904 MAIN ST S  
IUKA, MS 38852

38852