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MISSISSIPPI STATE DEPARTMENT OF HEALTH

**BUREAU OF PUBLIC WATER SUPPLY**

**CALENDAR YEAR 2009 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORM**

CEDAR LAKE BILOXI, LLC.  
Public Water Supply Name

0240026  
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:    /   /   

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

Name of Newspaper: \_\_\_\_\_

Date Published:    /   /   

- CCR was posted in public places. *(Attach list of locations)* Community Bulletin Board

Date Posted: 6/29/10

- 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.

Lon W. Mantapel, Community Mgr.  
Name/Title (President, Mayor, Owner, etc.)

June 29, 2010  
Date

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

# 2009 Drinking Water Quality Report

## Cedar Lake Biloxi, LLC. PWS 0240026

### **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. Cedar Lake Biloxi vigilantly safeguards its 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.

### **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).

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

Our water comes from the Graham Ferry Aquifer.

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

The source water assessment ranks our water supply as moderate for susceptibility to contamination. This report is available at the office.

### **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).

### **How can I get involved?**

If you have any questions concerning your water supply, please contact Lon Manteufel at 228.392.5324.

### **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. During August, 2009 we did not monitor for bacteriological contaminants or chlorine residuals as required; therefore we cannot be sure of the quality of our drinking water at that time. We failed to take the required sample for that month. All other required monitoring for the year was completed as required.

## 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. Cedar Lake Biloxi, LLC. 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>.

## 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	MCL,	Your	Range		Sample	Violation	Typical Source
	or	TT, or		Low	High			
	MRDLG	MRDL	Water			Date		
<b>Disinfectants &amp; Disinfectant By-Products</b>								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)								
Chlorine (as Cl <sub>2</sub> ) (ppm)	4	4	1	NA		2009	No	Water additive used to control microbes
TTHMs [Total Trihalomethanes] (ppb)	NA	80	22	NA		2005	No	By-product of drinking water disinfection
<b>Inorganic Contaminants</b>								
Nitrate [measured as Nitrogen] (ppm)	10	10	0.2	NA		2009	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.05	NA		2009	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Antimony (ppb)	6	6	0.5	NA		2008	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.5	NA		2008	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes

Barium (ppm)	2	2	0.00528	NA	2008	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.1	NA	2008	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.1	NA	2008	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	1.28	NA	2008	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	5	NA	2008	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	0.338	NA	2008	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.2	NA	2008	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Selenium (ppb)	50	50	0.933	NA	2008	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.5	NA	2008	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories
<b><u>Contaminants</u></b>	<b><u>MCLG</u></b>	<b><u>AL</u></b>	<b><u>Your Water</u></b>	<b><u>Sample Date</u></b>	<b><u># Samples Exceeding AL</u></b>	<b><u>Exceeds AL</u></b>	<b><u>Typical Source</u></b>
<b>Inorganic Contaminants</b>							
Copper - action level at consumer taps (ppm)	1.3	1.3	0.0644	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - action level at consumer taps (ppb)	0	15	2.6	2008	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

# Undetected Contaminants

The following contaminants were monitored for, but not detected, in your water.

<u>Contaminants</u>	<u>MCLG or MRDLG</u>	<u>MCL or MRDL</u>	<u>Your Water</u>	<u>Violation</u>	<u>Typical Source</u>
Haloacetic Acids (HAA5) (ppb)	NA	60	ND	No	By-product of drinking water chlorination

<b>Unit Descriptions</b>	
<b>Term</b>	<b>Definition</b>
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.

<b>Important Drinking Water Definitions</b>	
<b>Term</b>	<b>Definition</b>
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.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	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	MRDL: Maximum residual disinfectant 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	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

**For more information please contact:**

Contact Name: Lon Manteufel  
Phone: 228.392.5324

**You requested Water Supply #240026**

**Applicable PWS Reports:** 240026\_1.htm

**PWS ID:240026 Source ID:1**

**CEDAR LAKE BILOXI, LLC , Harrison County**

**Final Susceptibility Assessment Ranking: Moderate**

OLWR Permit Number: MS-GW-14714	Well Number: M0744
Latitude 30° 26' 23.629"	Longitude 88° 55' 50.354"
Location: NW NW S18 T07S R09W	Elevation: 42
USGS Quadrangle: BILOXI	

**Well Completion and Aquifer Data**

Aquifer: Graham Ferry	Aquifer Top: 806	Aquifer Bottom: 846
Screen Top: 806	Screen Base: 846	Split: No
Static Fluid Level: 52	Saturated: Yes	Completion Date: 1/1/1971
Minimum Design: No	Pump Rate:300	<b>Aquifer Confinement Class:</b> Confined
E-Log: No	E-Log #:	Drillers Log: No
		Permit: Yes
		Pot Map: No
		Status: <b>Active</b>

Comments:

**Confining Layers**

Top Depth (ft)	Base Depth (ft)	Lithology
118	286	Clay
300	350	Clay
360	425	Clay

**Risk Assessment**

1. Have raw (untreated) samples from this well been found to contain contaminants in concentrations that are equal to or exceed half of the EPA established maximum contaminant levels (MCLs) for drinking water standards. **NO**
2. Does this well withdraw water from a confined aquifer? **YES**

The aquifer being used is overlain with clay (shale) layers of sufficient thickness and lateral extent that it is afforded some degree of natural protection from potential contaminant sources located within the delineated protection area around the well.

3. Does this well meet all of the minimum design criteria established by the Mississippi State Department of Health in 1975? **NO**

The State Department of Health adopted minimum design criteria for the completion of public water system wells in 1975. This well was drilled prior to 1975, and there is no record of its annular space being grouted (cemented) from the screened interval (aquifer) to land surface. Because of this uncertainty, MDEQ is taking a cautious approach and assuming that the annular space was not properly grouted. UngROUTED annular spaces may serve as conduits and allow shallow ground water contamination to adversely impact deeper aquifers.

4. Are there any known potential contaminant sources (PCSs) located within 500 feet of the well? **NO**

Final Susceptibility Assessment Ranking: **Moderate**

Map of Source Water Protection Area

*This report generated: 5/26/2010 11:16:31 AM*

**MSDH BUREAU OF PUBLIC WATER SUPPLY  
MAXIMUM RESIDUAL DISINFECTANT LEVEL REPORT**

<b>COUNTY</b>	HARRISON	<b>ANALYTE</b>	CHLORINE
<b>PWS ID</b>	MS0240026	<b>ANALYTE CODE</b>	0999
<b>SYSTEM NAME</b>	CEDAR LAKE BILOXI, LLC	<b>BEGIN DATE</b>	1/1/2009
<b>SAMPLE POINT</b>	DISTRIBUTION DS000	<b>END DATE</b>	12/31/2009

<b>Compliance Period</b>	<b>Monitoring Period Average</b>	<b>Running Annual Average</b>	<b>Samples Required</b>	<b>Samples Collected</b>	<b>Begin Date</b>	<b>End Date</b>
JAN2009	0.90 mg/L	0.91 mg/L	1	1	01/01/2009	01/31/2009
FEB2009	0.60 mg/L	0.91 mg/L	1	1	02/01/2009	02/28/2009
MAR2009	0.80 mg/L	0.89 mg/L	1	1	03/01/2009	03/31/2009
APR2009	1.00 mg/L	0.88 mg/L	1	1	04/01/2009	04/30/2009
MAY2009	1.00 mg/L	0.88 mg/L	1	1	05/01/2009	05/31/2009
JUN2009	1.00 mg/L	0.89 mg/L	1	1	06/01/2009	06/30/2009
JUL2009	1.00 mg/L	0.90 mg/L	1	1	07/01/2009	07/31/2009
AUG2009	0.00 mg/L	0.81 mg/L	1	0	08/01/2009	08/31/2009
SEP2009	1.00 mg/L	0.91 mg/L	1	1	09/01/2009	09/30/2009
OCT2009	1.00 mg/L	0.92 mg/L	1	1	10/01/2009	10/31/2009
NOV2009	1.00 mg/L	0.93 mg/L	1	1	11/01/2009	11/30/2009
DEC2009	0.90 mg/L	0.93 mg/L	1	1	12/01/2009	12/31/2009

RAA = Running Annual Average  
RAA MCL for Chlorine = 4.0 mg/L

\* = RAA exceeds the MCL for Chlorine



**MSDH BUREAU OF PUBLIC WATER SUPPLY  
SAMPLE RESULTS**

<b>PWS ID</b>	0240026	<b>WORKORDER</b>	
<b>SYSTEM NAME</b>	CEDAR LAKE BILOXI, LLC	<b>LAB ID</b>	090409-081NI
<b>COUNTY</b>	HARRISON	<b>DATE COLLECTED</b>	2009-04-08
<b>SAMPLE TYPE</b>	NITR	<b>DATE RECEIVED</b>	2009-04-09
<b>COLLECTOR</b>	HAGWOOD	<b>SAMPLE POINT</b>	TF101
<b>LOCATION</b>			

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<b>ID</b>	<b>ANALYTE NAME</b>		<b>RESULT</b>	<b>MCL</b>
1040	NITRATE (AS N)	<	0.2 ppm	10 ppm
1041	NITRITE (AS N)	<	0.05 ppm	1 ppm
1038	NITRATE+NITRITE (AS N)	<	0.25 ppm	10 ppm

**Comments:**

**2009 CCR Contact Information**

Date: 7/15/10 Time: 2:36pm

PWSID: 240026

System Name: Cedar Lake Bilaji

Lead/Copper Language

Chlorine Residual (MRDL) RAA

*507 pop must mail or publish*

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.

*will hand deliver and send new cert forms*

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Spoke with Tom 228-392-5324  
(Operator, Owner, Secretary)