

MISSISSIPPI STATE DEPARTMENT OF HEALTH  
BUREAU OF PUBLIC WATER SUPPLY  
CCR CERTIFICATION  
CALENDAR YEAR 2013

Pearl River Valley Water Supply District  
Public Water Supply Name

P.W.S. # 45009 - Main Harbor  
List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) 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 or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. **You must mail, fax or email a copy of the CCR and Certification to MSDH. Please check all boxes that apply.**

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

- Advertisement in local paper (attach copy of advertisement)
- On water bills (attach copy of bill)
- Email message (MUST Email the message to the address below)
- Other Website: www.therez.ms

Date(s) customers were informed: 6/24/14 / /

CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used \_\_\_\_\_

Date Mailed/Distributed: / /

CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed: / /  
As a URL (Provide URL \_\_\_\_\_)  
As an attachment  
As text within the body of the email message

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

Name of Newspaper: Madison County - The Herald

Date Published: 6/24/14

CCR was posted in public places. *(Attach list of locations)* Date Posted: / /

CCR was posted on a publicly accessible internet site at the following address (**DIRECT URL REQUIRED**):

www.therez.ms.gov/Pages/Quality-Reports.aspx

**CERTIFICATION**

I hereby certify that the 2013 Consumer Confidence Report (CCR) has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. 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.)

9/22/14  
Date

Deliver or send via U.S. Postal Service:  
Bureau of Public Water Supply  
P.O. Box 1700  
Jackson, MS 39215

May be faxed to:  
(601)576-7800

May be emailed to:  
Melanie.Yanklowskik@msdh.state.ms.us

CORRECTED COPY

RECEIVED-WATER SUPPLY  
2014 AUG 21 AM 9:17

## PRVWSD 450019

### **Is my water safe?**

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. 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 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 groundwater is from the cockfield formation

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

Our source water assessment has been completed and is ranked moderate in terms of susceptibility and contamination. For a copy or questions please call 601-992-9714.

### **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; 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?**

The Pearl River Valley Water Supply District has regular board meetings on the third Thursday of each month at 9:30 A.M., or visit the website at [TheRez.ms](http://TheRez.ms)

### **FLOURIDE**

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", PRVWSD-MAIN HARBOR is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous year calendar year in which average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 96%

### **Results of radon monitoring**

Radon is a radioactive gas that you can't see, taste, or smell. It is found throughout the U.S. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes, and other household activities. Compared to radon entering the home through soil, radon entering the home through tap water will in most cases be a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. Fix your home if the level of radon in your air is 4 picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that aren't too costly. For additional information, call your state radon program or call EPA's Radon Hotline (800-SOS-RADON).

### **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. MAIN HARBOR 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

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. 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 vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
				Low	High			
<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	1.4	1	1.5	2013	No	Water additive used to control microbes
TTHMs [Total Trihalomethanes] (ppb)	NA	80	12	NA		2013	No	By-product of drinking water disinfection
Haloacetic Acids (HAA5) (ppb)	NA	60	2	NA		2013	No	By-product of drinking water chlorination
<b>Inorganic Contaminants</b>								
Nitrate [measured as Nitrogen] (ppm)	10	10	0.08	0.08	0.08	2013	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	2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Antimony (ppb)	6	6	0.5	NA		2012	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.5	NA		2012	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes

Barium (ppm)	2	2	0.00847	NA		2012	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.5	NA		2012	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.5	NA		2012	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.5	NA		2012	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	15	NA		2012	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.15	NA		2012	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Mercury [Inorganic] (ppb)	2	2	0.5	NA		2012	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Selenium (ppb)	50	50	2.5	NA		2010	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.5	NA		2012	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories
<b>Volatile Organic Contaminants</b>								
Benzene (ppb)	0	5	0.5	NA		2009	No	Discharge from factories; Leaching from gas storage tanks and landfills
Carbon Tetrachloride (ppb)	0	5	0.5	NA		2009	No	Discharge from chemical plants and other industrial activities
Chlorobenzene (monochlorobenzene) (ppb)	100	100	0.5	NA		2009	No	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene (ppb)	600	600	0.5	NA		2009	No	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	75	75	0.5	NA		2009	No	Discharge from industrial chemical factories

1,2-Dichloroethane (ppb)	0	5	0.5	NA		2009	No	Discharge from industrial chemical factories
1,1-Dichloroethylene (ppb)	7	7	0.5	NA		2009	No	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene (ppb)	70	70	0.5	NA		2009	No	Discharge from industrial chemical factories
trans-1,2-Dichloroethylene (ppb)	100	100	0.5	NA		2009	No	Discharge from industrial chemical factories
Dichloromethane (ppb)	0	5	0.5	NA		2009	No	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane (ppb)	0	5	0.5	NA		2009	No	Discharge from industrial chemical factories
1,2,4-Trichlorobenzene (ppb)	70	70	0.5	NA		2009	No	Discharge from textile-finishing factories
1,1,1-Trichloroethane (ppb)	200	200	0.5	NA		2009	No	Discharge from metal degreasing sites and other factories
1,1,2-Trichloroethane (ppb)	3	5	0.5	NA		2009	No	Discharge from industrial chemical factories
Ethylbenzene (ppb)	700	700	0.5	NA		2009	No	Discharge from petroleum refineries
Styrene (ppb)	100	100	0.5	NA		2009	No	Discharge from rubber and plastic factories; Leaching from landfills
Tetrachloroethylene (ppb)	0	5	0.5	NA		2009	No	Discharge from factories and dry cleaners
Trichloroethylene (ppb)	0	5	0.5	NA		2009	No	Discharge from metal degreasing sites and other factories
Toluene (ppm)	1	1	0.0005	NA		2009	No	Discharge from petroleum factories
Vinyl Chloride (ppb)	0	2	0.5	NA		2009	No	Leaching from PVC piping; Discharge from plastics factories
Xylenes (ppm)	10	10	0.0005	NA		2009	No	Discharge from petroleum factories; Discharge from chemical 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	0.8	2012	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Lead - action level at consumer taps (ppb)	0	15	1	2012	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	

<b>Unit Descriptions</b>	
<b>Term</b>	<b>Definition</b>
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NA	NA: not applicable
ND	ND: Not detected
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<b>Important Drinking Water Definitions</b>	
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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

<b>For more information please contact:</b>
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Contact Name: THOMAS LONG JR  
Address:  
100 RESEVOIR PARK RD  
BRANDON, MS 39047  
Phone: 6019929714  
Fax: 6019922847  
E-Mail: clong@therez.ms

## **PRVWSD 450019**

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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.

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## Water Quality Data Table

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<u>Contaminants</u>	<u>MCLG or MRDLG</u>	<u>MCL, TT, or MRDL</u>	<u>Your Water</u>	<u>Range Low   High</u>	<u>Sample Date</u>	<u>Violation</u>	<u>Typical Source</u>
<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	1.4	1	1.5	2013	No	Water additive used to control microbes
TTHMs [Total Trihalomethanes] (ppb)	NA	80	12	NA		2013	No	By-product of drinking water disinfection
Haloacetic Acids (HAA5) (ppb)	NA	60	2	NA		2013	No	By-product of drinking water chlorination
Inorganic Contaminants								
Nitrate [measured as Nitrogen] (ppm)	10	10	0.08	0.08	0.08	2013	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	2013	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Antimony (ppb)	6	6	0.5	NA		2012	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.5	NA		2012	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium (ppm)	2	2	0.00847	NA		2012	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beryllium (ppb)	4	4	0.5	NA		2012	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.5	NA		2012	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.5	NA		2012	No	Discharge from steel and pulp mills; Erosion of natural deposits
Cyanide [as Free Cn] (ppb)	200	200	15	NA		2012	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Fluoride (ppm)	4	4	1.15	NA		2012	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories

Mercury [Inorganic] (ppb)	2	2	0.5	NA		2012	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Selenium (ppb)	50	50	2.5	NA		2010	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.5	NA		2012	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories
<b>Volatile Organic Contaminants</b>								
Benzene (ppb)	0	5	0.5	NA		2009	No	Discharge from factories; Leaching from gas storage tanks and landfills
Carbon Tetrachloride (ppb)	0	5	0.5	NA		2009	No	Discharge from chemical plants and other industrial activities
Chlorobenzene (monochlorobenzene) (ppb)	100	100	0.5	NA		2009	No	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene (ppb)	600	600	0.5	NA		2009	No	Discharge from industrial chemical factories
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1,2,4-Trichlorobenzene (ppb)	70	70	0.5	NA		2009	No	Discharge from textile-finishing factories
1,1,1-Trichloroethane (ppb)	200	200	0.5	NA		2009	No	Discharge from metal degreasing sites and other factories
1,1,2-Trichloroethane (ppb)	3	5	0.5	NA		2009	No	Discharge from industrial chemical factories
Ethylbenzene (ppb)	700	700	0.5	NA		2009	No	Discharge from petroleum refineries

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Tetrachloroethylene (ppb)	0	5	0.5	NA		2009	No	Discharge from factories and dry cleaners
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Xylenes (ppm)	10	10	0.0005	NA		2009	No	Discharge from petroleum factories; Discharge from chemical factories

<b>Contaminants</b>	<b>MCLG</b>	<b>AL</b>	<b>Your Water</b>	<b>Sample Date</b>	<b># Samples Exceeding AL</b>	<b>Exceeds AL</b>	<b>Typical Source</b>
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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:**

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**PROOF OF PUBLICATION  
THE STATE OF MISSISSIPPI  
MADISON COUNTY**

**PASTE PROOF HERE**

PERSONALLY appeared before me, the undersigned notary public in and for Hinds County, Mississippi,

MARANDA YOUNGER

an authorized clerk of THE MADISON COUNTY HERALD, a newspaper as defined and prescribed in Sections 13-3-31 and 13-3-32, of the Mississippi Code of 1972, as amended, who, being duly sworn, states that the notice, a true copy of which is hereto attached, appeared in the issues of said newspaper as follows:

06/24/2014

Signed *Maranda Younger*  
Authorized Clerk of  
The Madison County Herald

SWORN to and subscribed before me the 15th day of September, 2014.

*Gloria A. Joiner*  
Notary Public  
Gloria A. Joiner

Notary Public State of Mississippi at Large.  
Bonded thru Notary Public Underwriters

(SEAL)

