

**Mississippi State Department of Health
Division of Water Supply**

2016 JUL 18 AM 9:31

Calendar Year 2015 Consumer Confidence Report Certification Form

Lurand Utility District

Public Water Supply Name

0140009

PWS ID#(s) (List ID #s for all Water Systems Covered by This CCR)

The Federal Safe Drinking Water Act required 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: 7/14/16

_____ CCR was distributed by mail or other direct delivery. Specify other direct delivery methods: Hand Delivered

Date Distributed: 7/14/16

_____ CCR was published in local newspaper. (Attach a copy of published CCR & proof of publication)

Name of Newspaper: _____

Date Published: ____/____/____.

_____ CCR was posted in public places. Locations:

Date Posted: ____/____/____.

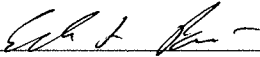
_____ CCR was posted on a publicly accessible internet site at the address: www. _____

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, Division of Water Supply.

Eddie Bright, President

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



Signature

7-13-16

Date

Mail Completed Form to: Division of Water Supply/POB 1700/Jackson, MS 39215

This copy of the CCR is for the newspaper. It needs to be published. A proof of publication, from the newspaper, is required. Once the proof of publication has been received, a copy of it, and the Certification form need to be mailed to Lockett Pump & Well Service, Inc. A copy of the proof of publication, Consumer Confidence Certification Form, and the Consumer Confidence Report needs to be mailed to the Health Department. A copy of what is sent to the Health Department should be kept for the water system files.

Thank you.

**Lu-Rand Utility District
PWS ID#0140009
2015 Consumer Confidence Report**

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, & 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, & 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* & other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791). 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, & 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* & other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

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How can I get involved?

If you have any questions about this report or concerning your water utility, please contact Eddie Bright at (662)902-2466. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Thursday at 6:00 PM. For further information, please contact Eddie Bright at (662)902-2466.

Description of Water Treatment Process

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria & microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

Water Conservation Tips

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost & no-cost ways to conserve water. Small changes can make a big difference - try one today & soon it will become second nature.

- Take short showers - a 5-minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair & shaving & save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, & can save you up to 750 gallons a month.
- Run your clothes washer & dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets & faucets. Faucet washers are inexpensive & take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank & wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it & during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit www.epa.gov/watersense for more information.

Cross Connection Control Survey

The purpose of this survey is to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. We are responsible for enforcing cross-connection control regulations & insuring that no contaminants can, under any flow conditions, enter the distribution system. If you have any of the devices listed below please contact us so that we can discuss the issue, & if needed, survey your connection & assist you in isolating it if that is necessary.

- Boiler/ Radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)
- Additional source(s) of water on the property
- Decorative pond
- Watering trough

Source Water Protection Tips

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn & garden fertilizers & pesticides - they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community & volunteer to help. If there are no active groups, consider starting one. Use EPA's Adopt Your Watershed to locate groups in your community, or visit the Watershed Information Network's How to Start a Watershed Team.
- Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste - Drains to River" or "Protect Your Water." Produce & distribute a flyer for households to remind residents that storm drains dump directly into your local water body.

Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women & young children. Lead in drinking water is primarily from materials & components associated with service lines & home plumbing. Lu-Rand Utility District 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, & steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. If present, elevated levels of lead can cause serious health problems, especially for pregnant women & young children. Lead in drinking water is primarily from materials & components associated with service lines & home plumbing. Lu-Rand Utility District 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, & steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

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While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations & is linked to other health effects such as skin damage & circulatory problems.

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, & in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water & 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 & 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 | | | |
| Disinfectants & Disinfection By-Products | | | | | | | | |
| (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants) | | | | | | | | |
| Chlorine (as Cl ₂) (ppm) | 4 | 4 | .9 | .25 | 1.66 | 2015 | No | Water additive used to control microbes |
| Haloacetic Acids (HAA5) (ppb) | NA | 60 | 13 | 8 | 14 | 2014 | No | By-product of drinking water chlorination |
| TTHMs [Total Trihalomethanes] (ppb) | NA | 80 | 40.39 | 21.6 | 40.39 | 2014 | No | By-product of drinking water disinfection |
| Inorganic Contaminants | | | | | | | | |
| Arsenic (ppb) | 0 | 10 | 2.5 | 1.8 | 2.5 | 2014 | No | Erosion of natural deposits; Runoff from orchards; Runoff from glass & electronics production wastes |
| Barium (ppm) | 2 | 2 | .0241 | .0238 | .0241 | 2014 | No | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits |
| Chromium (ppb) | 100 | 100 | 4.4 | 1.8 | 44 | 2014 | No | Discharge from steel & pulp mills; Erosion of natural deposits |
| Cyanide (ppb) | 200 | 200 | 37.91 | NA | 37.91 | 2011 | No | Discharge from plastic & fertilizer factories; Discharge from steel/metal factories |
| Fluoride (ppm) | 4 | 4 | .564 | .442 | .564 | 2014 | No | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer & aluminum factories |
| Nitrite [measured as Nitrogen] (ppm) | 1 | 1 | .02 | NA | .02 | 2014 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Selenium (ppb) | 50 | 50 | 10 | 7.2 | 10 | 2014 | No | Discharge from petroleum & metal refineries; Erosion of natural deposits; Discharge from mines |
| Contaminants | MCLG | AL | Your Water | Sample Date | # Samples Exceeding AL | Exceeds AL | Typical Source | |
| Inorganic Contaminants | | | | | | | | |
| Copper - action level at consumer taps (ppm) | 1.3 | 1.3 | .3 | 2014 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits | |
| Inorganic Contaminants | | | | | | | | |
| Lead - action level at consumer taps (ppb) | 0 | 15 | .003 | 2014 | 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.

| Contaminants | MCLG or MRDLG | MCL, TT, or MRDL | Your Water | Violation | Typical Source |
|--------------------------------------|---------------|------------------|------------|-----------|---|
| Alpha emitters (pCi/L) | 0 | 15 | ND | No | Erosion of natural deposits |
| Nitrate [measured as Nitrogen] (ppm) | 10 | 10 | ND | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Radium (combined 226/228) (pCi/L) | 0 | 5 | ND | No | Erosion of natural deposits |
| Uranium (ug/L) | 0 | 30 | ND | No | Erosion of natural deposits |

Unit Descriptions

| Term | Definition |
|-------|---|
| ug/L | Number of micrograms of substance in one liter of water |
| ppm | parts per million, or milligrams per liter (mg/L) |
| ppb | parts per billion, or micrograms per liter (µg/L) |
| pCi/L | picocuries per liter (a measure of radioactivity) |
| NA | not applicable |
| ND | Not detected |
| NR | Monitoring not required, but recommended. |

Important Drinking Water Definitions

| Term | Definition |
|------------------------|---|
| 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 & Exemptions | Variances & 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: Eddie Bright
 Address: POB 265
 Clarksdale, MS 38614
 Phone: 662-902-2466

Lu-Rand Utility District

PWS ID#0140009

2015 Consumer Confidence Report

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| Inorganic Contaminants | | | | | | | | |
| Copper - action level at consumer taps (ppm) | 1.3 | 1.3 | .3 | 2014 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits | |
| Inorganic Contaminants | | | | | | | | |
| Lead - action level at consumer taps (ppb) | 0 | 15 | .003 | 2014 | 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.

| Contaminants | MCLG or MRDLG | MCL, TT, or MRDL | Your Water | Violation | Typical Source |
|--------------------------------------|---------------|------------------|------------|-----------|---|
| Alpha emitters (pCi/L) | 0 | 15 | ND | No | Erosion of natural deposits |
| Nitrate [measured as Nitrogen] (ppm) | 10 | 10 | ND | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Radium (combined 226/228) (pCi/L) | 0 | 5 | ND | No | Erosion of natural deposits |
| Uranium (ug/L) | 0 | 30 | ND | No | Erosion of natural deposits |

Unit Descriptions

| Term | Definition |
|-------|---|
| ug/L | Number of micrograms of substance in one liter of water |
| ppm | parts per million, or milligrams per liter (mg/L) |
| ppb | parts per billion, or micrograms per liter (µg/L) |
| pCi/L | picocuries per liter (a measure of radioactivity) |
| NA | not applicable |
| ND | Not detected |
| NR | Monitoring not required, but recommended. |

Important Drinking Water Definitions

| Term | Definition |
|-------------------------|---|
| 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. |
| Variations & Exemptions | Variations & 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 |

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