

2019 CERTIFICATION

2020 JUN 29 AM 7: 53

Consumer Confidence Report (CCR)

Union Water Association of Choctaw Co MS. Inc
Public Water System Name

0100017

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 (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, 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 email, fax (but not preferred) or mail, a copy of the CCR and Certification to the 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 *(Email the message to the address below)*

Other _____

Date(s) customers were informed: 06/15 / 2020 / / 2020 / / 2020

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 *(Email MSDH a copy)* Date Emailed: ____ / ____ / 2020

As a URL _____ *(Provide Direct 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: _____

Date Published: ____ / ____ / ____

CCR was posted in public places. *(Attach list of locations)* Date Posted: ____ / ____ / 2020

CCR was posted on a publicly accessible internet site at the following address: _____ *(Provide Direct URL)*

CERTIFICATION

I hereby certify that the 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 PWS officials by the Mississippi State Department of Health, Bureau of Public Water Supply

Kathy Edwards Billing Clerk
Name/Title (Board President, Mayor, Owner, Admin. Contact, etc.)

06-26-2020
Date

Submission options (Select one method ONLY)

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576 - 7800

****Not a preferred method due to poor clarity****

CCR Deadline to MSDH & Customers by July 1, 2020!

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 the water poses a health risk. Unless otherwise noted, the data presented in this table is from the 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 concentration of these contaminants do not change frequently.

| Contaminant | Violation | Sample Date | Level Detected | Range of Detects or # of Samples Exceeding MCL/AL | Unit of Measure | MCLG or MRDLG | MCL TT or MRDL | Typical Source of Contamination |
|-------------------------------|-----------|-------------|----------------|---|-----------------|---------------|----------------|--|
| Inorganic Contaminants | | | | | | | | |
| 1010. Barium | No | 2018 | 0.0094 | No Range | ppm | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| 1005. Arsenic | No | 2018 | <0.0005 | No Range | ppm | | 0.10 | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes |
| 1125. Fluoride | No | 2018 | 0.275 | No Range | ppm | 4 | 4 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| 1074. Antimony | No | 2018 | <0.0005 | No Range | ppm | | 0.006 | Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition |
| 1075. Beryllium | No | 2018 | <0.0005 | No Range | ppm | | 0.004 | Discharge from metal refineries and coal burning factories; discharge from electrical, aerospace, and defense industries |
| 1015. Cadmium | No | 2018 | <0.0005 | No Range | ppm | | 0.005 | Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paint |
| 1020. Chromium | No | 2018 | 0.0055 | No Range | ppm | | 0.1 | Discharge from steel and pulp mills; erosion of natural deposits |
| 1035. Mercury | No | 2018 | <0.0005 | No Range | ppm | | 0.002 | Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland |
| 1045. Selenium | No | 2018 | <0.0005 | No Range | ppm | | 0.05 | Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines |
| 1085. Thallium | No | 2018 | <0.0005 | No Range | ppm | | 0.002 | Discharge from electronics, glass, and leaching from ore processing sites; drug factories |
| 1024. Cyanide | No | 2018 | <0.015 | No Range | ppm | | 0.2 | Discharge from plastic, fertilizer factories; discharge from steel/metal factories |
| 1040. Nitrate | No | 2019 | <0.08 | No Range | ppm | | 10 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| 1041. Nitrite | No | 2019 | <0.02 | No Range | ppm | | 1 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| 1038. Nitrate + Nitrite | No | 2019 | <0.1 | No Range | ppm | | 10 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| 1030. Lead | No | 2015-2017 | 1 | No Range | ppm | | AL 15 | Corrosion of household plumbing systems; erosion of natural deposits |
| 1022. Copper | No | 2015-2017 | 0.1 | No Range | ppm | | AL 1.3 | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |

Volatile Organic Contaminants

| | | | | | | | | |
|--|----|------|------|----------|-----|--|-------|---|
| 2378 1,2,4- Trichlorobenzene | No | 2018 | <0.5 | No Range | ppb | | 70 | Discharge from textile finishing factories |
| 2380 CIS-1,2- Dichloroethylene | No | 2018 | <0.5 | No Range | ppb | | 70 | Discharge from industrial chemical factories |
| 2955 Xylenes | No | 2018 | <0.5 | No Range | ppb | | 10000 | Discharge from petroleum factories; discharge from chemical factories |
| 2964 Dichloromethane | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from pharmaceutical and chemical factories |
| 2968 O-Dichlorobenzene | No | 2018 | <0.5 | No Range | ppb | | 600 | Discharge from industrial chemical factories |
| 2969 P-Dichlorobenzene | No | 2018 | <0.5 | No Range | ppb | | 75 | Discharge from industrial chemical factories |
| 2976 Vinyl Chloride | No | 2018 | <0.5 | No Range | ppb | | 2 | Leaching from PVC piping; discharge from plastics factories |
| 2977 1,1- Dichloroethylene | No | 2018 | <0.5 | No Range | ppb | | 7 | Discharge from industrial chemical factories |
| 2979 Trans-1,2- Dichloroethylene | No | 2018 | <0.5 | No Range | ppb | | 100 | Discharge from industrial chemical factories |
| 2980 1,2-Dichloroethane | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from industrial chemical factories |
| 2981 1,1,1- Trichloroethane | No | 2018 | <0.5 | No Range | ppb | | 200 | Discharge from metal degreasing sites and other factories |
| 2982 Carbon Tetrachloride | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from chemical plants and other industrial activities |
| 2983 1,2- Dichloropropane | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from industrial chemical factories |
| 2984 Trichloroethylene | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from metal degreasing sites and other factories |
| 2985 1,1,2- Trichloroethane | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from industrial chemical factories |
| 2987 Tetrachloroethylene | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from factories and dry cleaners |
| 2989 Monochlorobenzene | No | 2018 | <0.5 | No Range | ppb | | 100 | Discharge from chemical and agricultural chemical factories |
| 2990 Benzene | No | 2018 | <0.5 | No Range | ppb | | 5 | Discharge from factories; leaching from gas storage tanks and landfills |
| 2991 Toluene | No | 2018 | <0.5 | No Range | ppb | | 1000 | Discharge from petroleum factories |
| 2992 Ethylbenzene | No | 2018 | <0.5 | No Range | ppb | | 700 | Discharge from petroleum refineries |
| 2996 Styrene | No | 2018 | <0.5 | No Range | ppb | | 100 | Discharge from rubber and plastics factories; leaching from landfills |

Residual Disinfectant By-Products

| | | | | | | | | | |
|--|----|------|------|----------------------|-----------------------|------|--|-----|---|
| 0999 Chlorine (as Cl ₂) | No | 2019 | 1.20 | Low Range 0.90 | High Range 1.40 | mg/l | | 4.0 | Water additive used to control microbes |
|--|----|------|------|----------------------|-----------------------|------|--|-----|---|

Disinfectant and Disinfection By-Products

| | | | | | | | | |
|--|----|------|------|----------|-----|--|----|---|
| 2950 RAA Trihalomethanes (TTHM) | No | 2018 | 76.3 | No Range | ppb | | 80 | By-product of drinking water disinfection |
| 2456 RAA Haloacetic Acids (HAA5) | No | 2018 | 36.0 | No Range | ppb | | 60 | By-product of drinking water chlorination |

Microbiological Contaminants

| | | | | | | | | |
|------------------------|----|------|---|----------|------------------------|--|---|--------------------------------------|
| 9223 Total Coliform | No | 2013 | 0 | No Range | Positive samples/month | | 1 | Naturally present in the environment |
|------------------------|----|------|---|----------|------------------------|--|---|--------------------------------------|

Radionuclides

| | | | | | | | | |
|--|----|------|--------|----------|-------|--|------|--|
| 4006 Combined Uranium | No | 2018 | <0.5 | No Range | ppb | | 30 | |
| 4020 Radium-226 | No | 2014 | <0.2 | No Range | Pci/l | | 1.15 | |
| 4030 Radium-228 | No | 2014 | <0.7 | No Range | Pci/l | | 1.15 | |
| 4109 Gross Alpha Particle Activity | No | 2014 | 0.3 | No Range | Pci/l | | 1.15 | |
| 4010 Combined Radium (-226 & -228) | No | 2011 | <0.528 | No Range | Pci/l | | 5 | |

Sodium

| | | | | | | | | |
|--------|----|------|--------|----------|-----|--|-----|---|
| Sodium | No | 2019 | 170000 | No Range | ppb | | N/A | Likely source of contamination – road salt, water treatment chemicals, water softeners and sewage effluents |
|--------|----|------|--------|----------|-----|--|-----|---|

Total Coliform

Coliforms are bacteria that are naturally present in the environment and are used as an indicator other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. This violation occurred in March 2009. It was resolved within one week. For each detect of total coliforms, additional samples were collected at the sites where total coliforms was detected, upstream of each site and downstream of each site. Results showed all samples free of total coliform; however, it was noted that the chlorine residual in these areas was lower than usual. The amount of chlorine was increased to insure an adequate residual was maintained.

Unit Descriptions

ppm: parts per million, or milligrams per liter (mg/l)

ppb: parts per billion, or micrograms per liter

positive samples/month: Number of samples taken monthly that were found to be positive

Picocuries per liter (pCi/L): Picocuries per liter is a measure of the radioactivity in water

ND: Not detected.

NA: Not applicable

NR: Monitoring not required, but recommended

Important Drinking Water Definitions

AL: Action Level: The concentration of a contaminant which, if exceeded, triggers 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.

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.

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.

Variances and Exemptions: State or EPA permission not to meet a MCL or a treatment technique under certain conditions.

MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MLDLGs 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.

Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

| | |
|-----------|-----------|
| DATE | 15-Jun-20 |
| ACCOUNT # | 8 |

| METER READINGS | |
|----------------|----------|
| 04/30/20 | 05/31/20 |
| 1869640 | 1872240 |
| USED (GAL) | 3600 |

| AMOUNT DUE | | | |
|------------|----------|---------|---------|
| PRESENT | PREVIOUS | AFTER | AFTER |
| \$28.40 | | \$28.40 | \$31.24 |

Payment is due by June 30, 2020. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! We are an equal opportunity provider. Annual meeting July 13 @ Wood Springs Church @ 7 PM. CCR Report will be ready on July 1.

ENCLOSE THIS STUB WITH PAYMENT

| | |
|-----------|-----------|
| DATE | 15-Jun-20 |
| ACCOUNT # | 8 |
| | AFTER |
| \$28.40 | \$31.24 |

Jan Smith
1236 Box Road
Eupora, MS 39744

Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

| | |
|-----------|-----------|
| DATE | 15-Jun-20 |
| ACCOUNT # | 8 |

| METER READINGS | |
|----------------|----------|
| 04/30/20 | 05/31/20 |
| 2163330 | 2166690 |
| USED (GAL) | 3360 |

| AMOUNT DUE | | | |
|------------|----------|---------|---------|
| PRESENT | PREVIOUS | AFTER | AFTER |
| \$27.44 | | \$27.44 | \$30.18 |

Payment is due by June 30, 2020. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! We are an equal opportunity provider. Annual meeting July 13 @ Wood Springs Church @ 7 PM. CCR Report will be ready on July 1.

ENCLOSE THIS STUB WITH PAYMENT

| | |
|-----------|-----------|
| DATE | 15-Jun-20 |
| ACCOUNT # | 8 |
| | AFTER |
| \$27.44 | \$30.18 |

Nelson Dean
212 Box Ext.
Eupora, MS 39744