

# CITY OF CORINTH GAS AND WATER DEPARTMENT

## 2021 WATER QUALITY REPORT

### CONTINUING OUR COMMITMENT

#### Mission Statement

“To assure the availability of a consistently adequate supply of natural gas and water while providing for the highest quality service possible at a reasonable cost to our customers consistent with good management and sound business practices.”

All the information in this Annual Water Quality Report has been prepared in accordance with the standards established by the Environmental Protection Agency (EPA) and includes details about where your water comes from, what it contains and how it compares to standards set by the regulatory agencies.

### ADDITIONAL INFORMATION FOR LEAD

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Corinth Gas and Water 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 the 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 your drinking water, testing methods, and steps you can take to minimize exposure is available for the Safe Drinking Water Hotline or <http://epa.gov/safe-water/lead>. The Mississippi State Department of Health Public Laboratory offers lead testing. Please call 301-576-7518 if you wish to have your water tested.

### FLUORIDATION COMPLIANCE

To comply with the “Regulation Governing Fluoridation of Community Water Supply”, MS0020002 is required to report certain results to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 11. The percentage of fluoride samples collected the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 93%.

### DO YOU WANT MORE INFORMATION?

If you are interested in learning more about the Corinth Gas and Water Department, or if you have any questions concerning water quality, our office is located at 305 West Waldron Street. Our office hours are from 8:00 AM to 5:00 PM, Monday through Friday. You can also call our office (662) 286-2263 or treatment plant (662) 396-2250. Our contact person is David Bass or Ken Briggs. The City of Corinth Public Utility Commission meets at 7:00 PM on the second Monday of each month at the address above. Board meetings are open to the public.

### SOURCE WATER ASSESSMENT

The Safe Drinking Water Act (1996) mandates states to develop and implement Source Water Assessment Programs designed to notify public water systems and their customers regarding the susceptibility of the potable water supply to contamination (i.e. spills, floods, etc.). The Mississippi Department of Environmental Quality has completed our SWA. MDEQ has determined the rankings of our wells as follows: 3 wells “low”, and 4 wells “moderate”. These rankings are used to notify systems in Mississippi of the relative susceptibility of their wells to contamination. Wells with high ranking have a higher chance of becoming contaminated than the average public water well in Mississippi, but they should not be considered as unsafe sources of drinking water. Likewise, it should not be construed that those public water system wells with low susceptibility rankings are totally immune from contamination events; however, such wells are less susceptible than the average well operating in the state. A moderate susceptibility ranking signifies wells that have an average chance of becoming contaminated; these wells serve as the norm or standard for comparison. The final susceptibility ranking represents a “snap shot” in time, and thus, are subject to modification as conditions associated with wells and potential contaminant sources located around wells change with time. A copy of the Source Water Assessment can be viewed at our office.

**CALL BEFORE YOU**

**DIG**

**YOU CAN SUBMIT A REQUEST ONLINE @**

**[WWW.MS1CALL.ORG](http://WWW.MS1CALL.ORG) OR**

### TREATED WATER QUALITY SUMMARY

The table below lists all of the drinking water contaminants that we detected during the 2021 calendar year. The presence of contaminants in the water does not necessarily indicate that the water poses a health risk. Except as indicated, 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.

INORGANIC CONTAMINANTS						
CONTAMINANT	MCL	MCLS	DETECTED	RANGE DETECTED	YEAR	TYPICAL SOURCE
SODIUM	N/A	N/A	17.2	N/A	2020	EROSION OF NATURAL DEPOSITS
BARIUM	2 PPM	2 PPM		.0005-.0029 ppm	2020	EROSION OF NATURAL DEPOSITS
CHROMIUM	0.1 PPM	0.1 PPM		.0145-.3438 ppm	2020	EROSION OF NATURAL DEPOSITS
FLUORIDE	4 PPM	4 PPM		.1-.728 ppm	2020	EROSION OF NATURAL DEPOSITS
LEAD	AL=15 PPB	15 PPB	0.000 PPB		2018	CUSTOMER PLUMBING AND SERVIC CONNECTIONS
COPPER	AL=1.3 PPM	1.3 PPM	.1 PPM		2018	CUSTOMER PLUMBING AND SERVIC CONNECTIONS
NITRATE	10 PPM	10 PPM		.13-.15ppm	2020	RUNOFF FROM FERTILIZER USE OR EROSION OF NATURAL DEPOSITS
NITRATE / NITRITE	10 PPM	10 PPM		.14-16ppm	2020	RUNOFF FROM FERTILIZER USE OR EROSION OF NATURAL DEPOSITS

ADDITIONAL CONTAMINANTS						
CONTAMINANT	MCL	MCLS	YOUR WATER	RANGE DETECTED	YEAR	TYPICAL SOURCE
COLIFORM	1 POSITIVE	1 POSITIVE	0 POSITIVE		2020	NATURALLY PRESENT IN THE ENVIRONMENT

DISINFECTION BY-PRODUCTS						
CONTAMINANT	MCL	MCLS	YOUR WATER	RANGE DETECTED	YEAR	TYPICAL SOURCE
CHLORINE	4 PPM	4 PPM	1.90 PPM	1.0-2.20 PPM	2020	WATER ADDITIVE TO CONTROL MICROBES
TRICHALOMETHANES	80 PPB	80 PPB		10.71-11.55 PPB	2019	BY-PRODUCT OF DRINKING WATER CHLORINATION
HALOACETIC ACID	60 PPB	60 PPB		5.0-14.0 PPB	2019	BY-PRODUCT OF DRINKING WATER CHLORINATION

UNREGULATED CONTAMINANTS						
CONTAMINANT	MCL	MCLS	DETECTED	RANGE DETECTED	YEAR	TYPICAL SOURCE
HAA5 <sub>16</sub>				12.32-46.03 PPB	2018	
HAA6B <sub>16</sub>				2.41-6.73 PPB	2018	
HAA9 <sub>18</sub>				14.14-52.43 PPB	2018	
MANGANESE	.5 PPM			.4-.43 PPB	2018	NATURALLY- OCCURING ELEMENT
2-PROPEN-1-OL					2018	
TOTAL ORGANIC CARBON			1 PPB		2013	

RADIOACTIVE CONTAMINANTS						
CONTAMINANT	MCL	MCLS	YOUR WATER	RANGE DETECTED	YEAR	TYPICAL SOURCE
RADIUM-226	5 Pci/L		.4 Pci/l		2016	EROSION OF NATURAL DEPOSITS

MICROBIOLOGICAL CONTAMINANTS						
CONTAMINANT	MCL	MCLG	YOUR WATER	RANGE DETECTED	YEAR	TYPICAL SOURCE
TOTAL ORGANIC CARBON	TT	N/A	54% REMOVAL 35% REQUIRED	37-59% REMOVAL	2020	NATURALLY PRESENT IN THE ENVIRONMENT

### EXPLANATION OF REASONS FOR MONITORING UNREGULATED CONTAMINANTS

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulations is warranted.

### SODIUM DIETARY PRECAUTIONS

Excess sodium from salt in the diet increases the risk of high blood pressure and cardiovascular disease.

#### TABLE OF DEFINITIONS

**AL (Action Level):** The concentration of a contaminant which, if exceeded, triggers a treatment of other requirements which a water system must follow.

**MCL (Maximum Contaminant Level):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the MCLGs as is economically and technologically feasible.

**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 are set by the U. S. Environmental Protection Agency.

**MRDL (Maximum Residual Disinfectant Level):** The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

**MRDLG (Maximum Residual Disinfectant Level Goal):** The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLs are set by the U. S. Environmental Protection Agency.

**MRL (Minimal Risk Level)** Estimate of the daily human exposure to a hazardous substance that is likely to be without appreciable risk of adverse noncancerous health effects over a specified duration of exposure.

**NA:** Not applicable.

**ppb (parts per billion):** One part substance per billion parts of water, or

Ug/l micrograms per liter.

**ppm ( parts per million):** One part substance per million parts water, or mg/l milligrams per liter.

**PDWS (Primary Drinking Water Standards):** MCL's and MRDL's for contaminants that affect health along with the requirements for monitoring, reporting and treatment.