

Rec 7/14/23

2021 CERTIFICATION

Consumer Confidence Report (CCR)

City of Flowood and City of Flowood-Noranco

PRINT Public Water System Name
061-0075 061-0044

List PWS ID #s for all Community Water Systems included in this CCR

CCR DISTRIBUTION (Check all boxes that apply)	
INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)	DATE ISSUED
<input type="checkbox"/> Advertisement in local paper (Attach copy of advertisement)	
<input checked="" type="checkbox"/> On water bill (Attach copy of bill) URL/Link to CCR printed on water bill	6-23-23
<input type="checkbox"/> Email message (Email the message to the address below)	
<input type="checkbox"/> Other (Describe: _____)	
DIRECT DELIVERY METHOD (Attach copy of publication, water bill or other)	DATE ISSUED
<input type="checkbox"/> Distributed via U.S. Postal Service	
<input type="checkbox"/> Distributed via E-mail as a URL (Provide direct URL): _____	
<input type="checkbox"/> Distributed via Email as an attachment	
<input type="checkbox"/> Distributed via Email as text within the body of email message	
<input checked="" type="checkbox"/> Published in local newspaper (attach copy of published CCR or proof of publication)	7/12/23
<input type="checkbox"/> Posted in public places (attach list of locations or list here) _____	
<input checked="" type="checkbox"/> Posted online at the following address (Provide direct URL): <u>www.cityofflowood.com/ccr</u>	6/23/23

CERTIFICATION

I hereby certify that the Consumer Confidence Report (CCR) has been prepared and distributed to its customers in accordance with the appropriate distribution method(s) based on population served. Furthermore, I certify that the information contained in the report is correct and consistent with the water quality monitoring data for sampling performed and fulfills all CCR requirements of the Code of Federal Regulations-(CFR) Title 40, Part 141.151 – 155.

	Director of Engineering and Utilities	7/14/23
Name	Title	Date

SUBMISSION OPTIONS (Select one method ONLY)

You must email or mail a copy of the CCR, Certification, and associated proof of delivery method(s) to the MSDH, Bureau of Public Water Supply.

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

Email: water.reports@msdh.ms.gov

Rec 5/21/23

2022 Annual Drinking Water Quality Report
City of Flowood
PWS#: 0610044 & 0610075
May 2023

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Contact & Meeting Information

If you have any questions about this report or concerning your water utility, please contact Aaron Maines at 601.939.4243. 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 and third Monday of each month at 6:30 PM at the Flowood City Hall located at 2101 Airport Road, Flowood, MS.

Source of Water

Our water source is from wells drawing from the Cockfield Formation and Sparta Sand Aquifer. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the City of Flowood have received lower to moderate susceptibility rankings to contamination.

Period Covered by Report

We routinely monitor for contaminants in your drinking water according to federal and state laws. This report is based on results of our monitoring period of January 1st to December 31st, 2022. In cases where monitoring wasn't required in 2022, the table reflects the most recent testing done in accordance with the laws, rules, and regulations.

As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants 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 storm-water 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 storm-water 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 and septic systems; 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. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

Terms and Abbreviations

In the table you may find unfamiliar terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

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

Maximum Contaminant Level (MCL): The "Maximum Allowed" (MCL) is 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.

Maximum Contaminant Level Goal (MCLG): The "Goal"(MCLG) is 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.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per billion (ppb) or micrograms per liter: one part by weight of analyte to 1 billion parts by weight of the water sample.

Parts per million (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.

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

PWS ID # 0610044**TEST RESULTS**

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2022	.0066	.0057 - .0066	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2020/22	.8	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2022	.949	.921 - .949	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2020/22	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Unregulated Contaminants								
Sodium	N	2019*	110000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
81. HAA5	N	2021*	4.39	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2021*	12.4	3.43 – 12.4	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2022	2.2	1.5 - 3	mg/l	0	MDRL = 4	Water additive used to control microbes

PWS ID # 0610075**TEST RESULTS**

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Microbiological Contaminants								
1. Total Coliform Bacteria	N	April September November	Positive	1 1 1	NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste
Radioactive Contaminants								
5. Gross Alpha	N	2019*	2.8	1.6 – 2.8	pCi/L	0	15	Erosion of natural deposits
6. Radium 226 Radium 228	N	2019*	.89 1.3	.34 - .89 .60 – 1.3	pCi/L	0	5	Erosion of natural deposits
Inorganic Contaminants								
10. Barium	N	2022	.0024	.0015 - .0024	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2020/22	.6	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2022	1.08	.1 – 1.08	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2020/22	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Unregulated Contaminants								
Sodium	N	2019*	120000	77000 - 120000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
81. HAA5	N	2022	23	3.55 – 27.2	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2022	30	7.84 – 37.4	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2022	2.1	.7– 3.8	mg/l	0	MRDL = 4	Water additive used to control microbes

* Most recent sample. No sample required for 2022.

** Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.6 - 1.2 mg/l.

Microbiological Contaminants:

(1) Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

On System # 610075, during the months of April, September and November we had one positive sample for Coliform. All the resamples were clear and showed that we are meeting drinking water standards.

LEAD INFORMATION

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. Our water system 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>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

FLUORIDE INFORMATION

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our system #0610044 is required to report certain results pertaining 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 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 100%. The number of months samples were collected and analyzed in the previous calendar year was 12.

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", our system #0610075 is required to report certain results pertaining 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 10. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 77%. The number of months samples were collected and analyzed in the previous calendar year was 12.

VIOLATIONS

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected, however the EPA has determined that your water IS SAFE at these levels.

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 are warranted.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

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, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The City of Flowood works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

AFFIDAVIT

PROOF OF PUBLICATION

RANKIN COUNTY NEWS • P.O. BOX 107 • BRANDON, MS 39043

STATE OF MISSISSIPPI
COUNTY OF RANKIN

THIS 12th DAY OF JULY, 2023, personally came Marcus Bowers, publisher of the Rankin County News,

a weekly newspaper printed and published in the City of Brandon, in the County of Rankin and State aforesaid, before me the undersigned officer in and for said County and State, who being duly sworn, deposes and says that said newspaper has been published for more than 12 months prior to the first publication of the attached notice and is qualified under Chapter 13-3-31, Laws of Mississippi, 1986, and laws supplementary and amendatory thereto, and that a certain

2022 ANNUAL DRINKING WATER QUALITY REPORT

2022 Annual Drinking Water Quality Report

City of Flowood
PWS# 0610044 & 0810175
May 2023

When presented to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our content goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

Contact & Meeting Information
If you have any questions about this report or concerning your water utility, please contact Aaron Melnick at 801 1338-4243. 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 open houses or send us a card to the City of Flowood, 2101 Airport Road, Flowood, MS 39232.

Source of Water
Our water source is from wells drawing from the Cockfield Formation and Sparta Sand Aquifer. The source water assessment has been completed and is available in the report. The source water is not treated at this time. A report containing detailed information on how the assimilability determination was made has been limited to our public water system and is available for viewing upon request. The wells for the City of Flowood have received lower to moderate assimilability ratings to contamination.

Period Covered by Report
We routinely monitor for contaminants in your drinking water according to federal and state laws. This report is based on results of our monitoring period of January 1st to December 31st, 2022. In cases where monitoring wasn't required in 2022, the table reflects the most recent testing done in accordance with the law, rule, and regulations.

As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity, industrial operations, such as vehicle and boats, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and landfills. Other contaminants, such as solvents and metals, which can leach out of the ground and surface water bodies, which can infiltrate from a variety of sources such as agriculture, urban storm-water runoff, and residential uses, organic chemicals, including pesticides, herbicides and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems, radioactive contamination, which can be naturally occurring or be the result of oil and gas operations, and other contaminants. Some of these contaminants are naturally occurring and are not the result of human activity. Certain contaminants in water provided by public water systems, all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

Terms and Abbreviations
In this table you may find unfamiliar terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:
Actual Lead (dL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
Maximum Contaminant Level Goal (MCLG): The Maximum Allowable (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLGs are set so that the MCLG is as favorable as the best available treatment technology.
Maximum Contaminant Level (MCL): The MCL (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLs allow for a margin of safety.
Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is compelling evidence that addition of a disinfectant is necessary to control microbial contamination.
Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant below which there is no known or expected risk to health. MRLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.
Drinking water treatment: MROs do not reflect the benefits of the use of disinfectants to control microbial contamination.
Drinking water treatment: MROs do not reflect the benefits of the use of disinfectants to control microbial contamination.

TEST RESULTS

Contaminant	Violation	Date Detected	Level	Range of Disinfectant	Unit	MCLG	MCL	Unlawy Source of Contamination
Lead	N	2022	0.009	0.007 - 0.008	ppm	0	0	Discharged during winter.

TEST RESULTS

Contaminant	Violation	Date Detected	Level	Range of Disinfectant	Unit	MCLG	MCL	Unlawy Source of Contamination
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Microbiological Contaminants

Contaminant	Violation	Date Detected	Level	Range of Disinfectant	Unit	MCLG	MCL	Unlawy Source of Contamination
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Radioactive Contaminants

Contaminant	Violation	Date Detected	Level	Range of Disinfectant	Unit	MCLG	MCL	Unlawy Source of Contamination
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Inorganic Contaminants

Contaminant	Violation	Date Detected	Level	Range of Disinfectant	Unit	MCLG	MCL	Unlawy Source of Contamination
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Unregulated Contaminants

Contaminant	Violation	Date Detected	Level	Range of Disinfectant	Unit	MCLG	MCL	Unlawy Source of Contamination
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Disinfection By-Products

Contaminant	Violation	Date Detected	Level	Range of Disinfectant	Unit	MCLG	MCL	Unlawy Source of Contamination
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LEAD INFORMATION
To comply with the Lead and Copper Rule, we are required to monitor for lead and copper in our water system. Lead in drinking water is primarily from materials and components that are part of the plumbing system. Copper is naturally occurring in some water supplies. While lead and copper are not health risk, high levels of lead in drinking water can be harmful, especially for children. We monitor for lead and copper in our water system. If you are concerned about lead in your water, you may wish to have your water tested for lead. If you are concerned about lead in your water, you may wish to have your water tested for lead. For more information on lead in drinking water, visit the website: www.epa.gov/lead.

FUNDING INFORMATION
To comply with the American Clean Water Act (ACWA), we are required to monitor for lead and copper in our water system. Lead in drinking water is primarily from materials and components that are part of the plumbing system. Copper is naturally occurring in some water supplies. While lead and copper are not health risk, high levels of lead in drinking water can be harmful, especially for children. We monitor for lead and copper in our water system. If you are concerned about lead in your water, you may wish to have your water tested for lead. If you are concerned about lead in your water, you may wish to have your water tested for lead. For more information on lead in drinking water, visit the website: www.epa.gov/lead.

Vol 176 No. 01 on the 12th day of July, 2023

Marcus Bowers
Publisher
Sworn to and subscribed before me by the aforesaid Marcus Bowers this 12th day of July, 2023.
Notary Public

PRINTER'S FEE: \$663.00
Proof of Publication by 11 inch ad at \$100 per column inch. \$663.00
3.00
TOTAL \$663.00
Commission Expires Jan 25, 2026
FRANCES CONGER
ID # 28593
Commission Expires Jan 25, 2026

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(601) 939-4243

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	7/15/2023	
NET AMOUNT	SAVE THIS	GROSS AMOUNT
\$43.77	\$2.20	\$45.97

CR# 5510

CITY OF FLOWOOD CONSUMER CONFIDENCE REPORT
AVAILABLE AT WWW.CITYOFFLOWOOD.COM/CCP

RETURN SERVICE REQUESTED

Acct #: 55-137474-00

TOMMY DOBBINS
413 MILLRUN RD
BRANDON, MS 39047-9013





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 PO Box 320069
 Flowood, MS 39232-0069
 (601) 939-4243

|||||
 TOMMY DOBBINS
 413 MILLRUN RD
 BRANDON, MS 39047-9013

Account Number	AMOUNT DUE
55-137474-00	\$43.77
Due Date	After Due Date Pay
7/15/2023	\$45.97
Billing Date	Penalty Date
6/23/2023	7/17/2023
Service From	Service To
5/17/2023	6/15/2023
Service Address	
413 MILLRUN RD	

PREVIOUS BALANCE	\$39.18
PAYMENTS	\$39.18-
PENALTIES	\$0.00
ADJUSTMENTS	\$0.00
PAST DUE AMOUNT	\$0.00

CURRENT		PREVIOUS		USAGE
DATE	READING	DATE	READING	
6/15/2023	559,938	5/17/2023	557,998	1,940

Water	14.53
West Rankin Sewer	8.54
Sewer	20.70
CURRENT BILL	\$43.77
AMOUNT DUE	\$43.77
AMOUNT DUE AFTER 07/15/2023	\$45.97

CITY OF FLOWOOD CONSUMER CONFIDENCE REPORT
 AVAILABLE AT WWW.CITYOFFLOWOOD.COM/CCR

CUSTOMER ACCOUNT INFORMATION - RETAIN FOR YOUR RECORDS



CITY OF FLOWOOD
 PO Box 320069
 Flowood, MS 39232-0069
 (601) 939-4243

CITY OF FLOWOOD
 PO Box 320069
 Flowood, MS 39232-0069

There will be a charge on all returned checks.
 Please return this portion with your payment.
 When paying in person, please bring both portions of this bill.

Account Number	AMOUNT DUE
55-137474-00	\$43.77
Due Date	After Due Date Pay
7/15/2023	\$45.97
Account Name	
TOMMY DOBBINS	
Service Address	
413 MILLRUN RD	
Amount Enclosed	