Rec 1/14/23

2021 CERTIFICATION

Consumer Confidence Report (CCR)

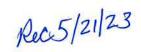
City of Flowood and City of Flowood-Noranco

PRINT Public Water System Name 061-0075 061-0044

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

	TION (Check all boxes that apply)	
INDIRECT DELIVERY METHODS (Attach copy of p	oublication, water bill or other)	DATE ISSUED
□ Advertisement in local paper (Attach copy of advertise	ement)	
☑ On water bill (Attach copy of bill) URL/Link to CCR prin	nted on water bill	6-23-23
□ Email message (Email the message to the address below	ow)	
□ Other (Describe:		
DIRECT DELIVERY METHOD (Attach copy of publ	lication, water bill or other)	DATE ISSUED
□ Distributed via U.S. Postal Service		
□ Distributed via E-mail as a URL (Provide direct URL):		
□ Distributed via Email as an attachment		
□ Distributed via Email as text within the body of em	nail message	
□ Published in local newspaper (attach copy of published)	ed CCR or proof of publication)	7/12/23
□ Posted in public places (attach list of locations or list h	ere)	
Posted online at the following address (Provide direct URL):		6/23/23
I hereby certify that the Consumer Confidence Report (Consumer Confidence Report (Cons	ion served. Furthermore, I certify that the inforr ng data for sampling performed and fulfills all C 55.	mation contained in the repore CR requirements of the Code
X	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, the MSDH, Bu	Certification, and associated proof our of Public Water Supply.	of delivery method(s) to
Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply P.O. Box 1700 Jackson, MS 39215	Email: water.reports@msdh	<u>ı.ms.gov</u>

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:

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

<u>Maximum Contaminant Level (MCL)</u>: 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.

<u>Maximum Contaminant Level Goal (MCLG)</u>: 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.

<u>Maximum Residual Disinfectant Level (MRDL)</u>: 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.

<u>Maximum Residual Disinfectant Level Goal (MRDLG)</u>: 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.

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

PWS ID #	F 00100 ²	14		TEST RESU	TI2			
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source of Contamination
Inorgani	c Conta	minant	S				=	
10. Barium	N	2022	.0066	.00570066	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	.921949	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
Unregula	ted Co	ntamin	ants					
Sodium	N	2019*	110000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfect	ion By-	Produc	ets					
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

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure- ment	MCLG	MCL	Likely Source of Contamination
Microbiol	ogical	Contam	inants					
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
Radioacti	ve Con	taminaı	nts					
5. Gross Alpha 6. Radium 226 Radium 228	N N	2019* 2019*	2.8 .89 1.3	1.6 – 2.8 .3489 .60 – 1.3	pCi/L pCi/L	0	15 5	Erosion of natural deposits Erosion of natural deposits
Inorganic	Contai	ninants						
10. Barium	N	2022	.0024	.00150024	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; erosior 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
Unregula	ted Cor	ntamina	nts					
Sodium	N	2019*	120000	77000 - 120000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfecti	on By-	Product	S					
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	47– 3.8	mg/l	0	MRDL = 4	Water additive used to control microbes

^{*} Most recent sample. No sample required for 2022.

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

^{**} 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.

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.

FFIDAVIT

PROOF OF PUBLICATION

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

STATE OF MISSISSIPPI COUNTY OF RANKIN

THIS 12th DAY OF IULY 2023

Inorganic Contaminants PWS ID # 0610075 **Unregulated Contaminants** Microbiological Contaminants Radloactive Contaminants Version Date 2010: 23 Desided 100 8 1-108 .0015 - 0024 TEST RESULTS Mean West 8 100 VICTO process as of Habitataly project in the combitation is included E. Collection of the firm and the collection of the collecti No. Bereite of natural departs THE PRESENT

Contact & Meeting Information

(I you have any quashpan about this report or concerning your waiter utility, please contact Auron Maintes at 8011 939 4243. We want our reduced contineners to be a frigment about their water utility. If you want to beam more, please othered any of our regularly acheduled moestings. They are held on the first and blad Mondaly of each month at 8 39 PM at the Flowcood City Hall located at 2101 Afport Road. Howcood, MS.

Write pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and excisors we define the you every day. Dur constant goal is to provide you with a safe and dependable supply of chining-water. We want you to understand the effort we make to constant goal as to provide you with a safe and dependable supply of chining-water. We want you to understand the effort we make to constant the provide the value treatment process and protect our water receivent. We are committed to ensuring the quality of your water.

2022 Annual Drinking Water Quality Report City of Flowcod PWS#: 0810044 & 0810075

Disinfection By-Products 120000 7-18 7.04-37.4 185-272 17000 - 120000 80 800 200 8 Valor of Ross Sat, Vibia Treatment Chamberla White Editories and Energy Cityrins males character allow males character product of duhang

13411-906

The state of the state of the second process in the encountered and are soul as an indicator that ober prices by hundred each of the second polyther countered by the encountered and the children process process of the second polyther countered by the countered

We are required to mother year detailing vasar for specific contaminants on a mornity tests. Resists of in concepts of whether or well our detailing where meets these thindress in long effort to be come options of the concepts of which or except our long of the concepts ragnize movidant are an

On System # 610075, during the months of April. September and Nove clear and showed that we are moveling during water standards: moet we had one positive sample for Collean. All the resumples were

If greated, described forms all read can counte around health problems, careceably for posquital two decisions were to primarily from mittacks and composents associated with mistorial cells that mit to consider a suppossible for problems health may be expected be the problems health and translation upon the problems health and problems health a I vacatest and yearing children. Lead in home plantaning. Our wider spillers in used in plantaning comploanists. When ye fashing year top for 30 seconds to 2 year may with its history your wider to employee in weather's from the Safe!

tearth Public Health Esborator

FLUORIDE HIFORMATION
To camply with the "Regulation
certain results postaleing to fine
funded sample sential section
previous calendar year that we
and analyzed in the previous cale Sizo diosente Production ed Communa (Visio Sopples", cui spillami 60/10/14 is intervial le sepon Reduction of les males grapes. The matter of imports in the resided schools just in which intervies a vision the special coap of 0.6.1.2 gays van 0.2. The protections of liquidic samples collectes in flor last season to sepond coap of 0.6.1.2 gays van 10/15. The remover of imports samples was debetor collection pain van 2.0.

To comply with the "Requisition Coverning Fracidation of Community Visitor Sequence, our system software for reviews do review continuous manning to handware of an extended review control review promising to handware of an water entering. The number of excellent in the review control year in which memory handware must write within the operand propo of 0.9-1.2 ppm, was 10. The percentage of fluoride sometime collected in the

Inorganic Contaminants

2 Discharge of draing wastes; discharge from metal refreefus;

Range of Detects or 8 of Samples Exceeding MCUACL TEST RESULTS

Measure ment

MCLG

NOL

Likely Source of Contemination

PWS ID # 0610044

Picocuries per liter (pCUL); picocuries per liter is a measure of the radioactivity in violen

Participates and thought of the strong partiest (most one part by weight of onabyte to 1 million parts by weight of the water sample

Parts per beautiful by micrograms per sections part by weight of analyte to 1 billion parts by weight of the water cample. Maximum Reviews Detailectural Anna Gest (MROLG): The level of a drinking water distribution below which there expected risk of hostin. MROLGs do not reflect the borofits of the use of distributions to control microbial contaminants Maximum Consembert Level Goal MCLG): The "Goal" (MCLG) is the level of a contembant in drinking water below which there is no known or expected tisk to health. MCLGs ellow for a margin of epicly.

man. Resident Cheritocher Least IMPCA. The highest lovel of a disinfactent allowed in drinking water. There is convincing ince that addition of a disinfectant is necessary to control microbial conforminants.

below which there is no known or

travinym Comandant Level ANCL. The "Maximum Allowed" (MCL) is the bighest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the bost evailable featment technology.

Action Level (AL): The concornation of a contaminant which, if exceeded, higgers treatment or other requirement that a word system must follow. Firms and Abbreviations.
In the labbe you may find unbanifur terms and abbreviations you might not be familiar with. To help you better undestand these terms worked the following definitions:

viside and can plot up statelenose or conteminate from the generace of animate or from human satisfies and can plot up statelenose or conteminate from the generace of animate or from human satisfies a visit of the conteminate of the state of the state

stat of industrial processos and percineum production, and ean also come hearth, which can be neutrally occurring or be the result of oil and go water is said to drink. EPA prescribes regulations that furth the amount of water is found to drink. EPA prescribes regulations that the may be occurred productions of the presence of these contaminants productions. If it important to remember that the presence of these contaminants and the presence of the presence of these contaminants.

rater travels over the aurince of land or underground, it dissolves naturally rials and can pick up substances or contaminants from the presence of ant

where years for contambants in your dighting walls according to federal and shelp laws. This appoil is based on exalts of our thing professor of an army from the Desember 31° 2002. In cases where monitoring wasn't required in 2022, the table reflects he most items gained in accordance with the favia, rules, and regulations.

source is from well's drawing from the Cockfield Formstion and Spatta Sand Aquifer. The source water assessment has been for our public water system and otherwise the overall susceptibility of the uthicking water supply to disentified potential sources or lion. A report consisting of detailed information on how the susceptibility determinations was unade has been furnished to our lion. A report consisting of detailed information on how the susceptibility determinations was unade has been furnished to our lion. A report consistency of the susceptibility determinations was unade has been furnished to our lion.

a weekly newspaper printed and published in the City of Brandon, In the Crunty of Rankin and State aforesaid, before me the undersigned officer in and for said County and State, who being duly swern, 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, 1936, and laws supplementary and amendately came Marcus Bowers, publisher of the Rankin County News,

2022 ANNUAL DRINKING WATER QUALITY REPORT

CITY OF FLOWOOD

(1) week, as follows, to-wita copy of which is hereto attached, was published in said newspaper One

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

Marcus Bowers MARCUS BOWERS, Publisher

Marcus Bowers this 12th day of July, 2023 Sworn to and subscribed before me by the aforementioned

HIDAGES CONGER
My Commission Expires: January 25, 2026 Notary Public

PRINTER'S FEE

\$660.00



RETURN THIS STUB WITH PAYMENT TO:
CITY OF FLOWOOD

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

PRESORTED
FIRST CLASS MAIL
U.S. POSTAGE PAID
PERMIT NO. 634
JACKSON, MS

(\$43.77)	NEYAMOUNT	DUE DATE	PAY NET AMOUNT
\$2.20	SAVE THIS	7/15/2023	JRRENT AMOUNT DUE DA'
\$45.97	GROSS AMOUNT	DUE DATE	PAY GROSS

N# 5510

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

RETURN SERVICE REQUESTED

Acct #: 55-137474-00

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



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

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

CUR	RENT	PRE	VIOUS	
DATE	READING	DATE	READING	USAGE
6/15/2023	559,938	5/17/2023	557,998	1,940

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 MII	LRUN RD	

	PREVIOUS BALANCE	\$39.18
	PAYMENTS	\$39.18-
	PENALTIES	\$0.00
	ADJUSTMENTS	\$0.00
	PAST DUE AMOUNT	\$0.00
	Water	14.53
	West Rankin Sewer	8.54
	Sewer	20.70
	CURRENT BILL	\$43.77
	AMOUNT DUE	\$43.77
AM	OUNT 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 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
Accou	unt Name
TOMM	Y DOBBINS
Servic	e Address
413 MI	LLRUN RD
Amoun	t Enclosed

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