

2018 JUN -7 AM 7:29

2017 CERTIFICATION

Consumer Confidence Report (CCR)

Black Creek Refect

Public Water System Name

170021

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 posted locally

Date(s) customers were informed: / / 2018 / / 2018 / / 2018

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: / / 2018

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: / / 2018

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

Steve Womack

Name/Title (President, Mayor, Owner, etc.)

Date

6-5-18

Submission options (Select one method ONLY)

Email: water.reports@msdh.ms.gov

Fax: (601) 576 - 7800

Not a preferred method due to poor clarity

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

CCR Deadline to MSDH & Customers by July 1, 2018!

CORRECTED COPY

BLACK CREEK CONSUMER CONFIDENT REPORT 2018

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

Where does my water come from?

OUT

Source water assessment and its availability

YOU CAN GET A COPY BY CALLING
UTILITY ONE 6013822538

Why are there contaminants in my drinking water?

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting 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 stormwater 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 stormwater 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, urban stormwater runoff, and septic systems; and 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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

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 and no-cost ways to conserve water. Small changes can make a big difference - try one today and 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 and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and 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 and 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.

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 and garden fertilizers and 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 and 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 and 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 and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. BLACK CREEK RETREAT 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>.

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, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and 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 and 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	Detect In 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	1.2	1.2	1.7	2017	No	Water additive used to control microbes
Inorganic Contaminants								
Copper - source water (ppm)	NA		.331	NA	NA	2017	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead - source water (ppm)	NA		.0016	NA	NA	2017	No	Corrosion of household plumbing systems; Erosion of natural deposits
Nitrate [measured as Nitrogen] (ppm)	10	10	1.01	NA	NA	2017	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
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	2017	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Inorganic Contaminants								
Lead - action level at consumer taps (ppb)	0	15	.0041	2017	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	

Additional Contaminants

In an effort to insure the safest water possible the State has required us to monitor some contaminants not required by Federal regulations. Of those contaminants only the ones listed below were found in your water.

Contaminants	State MCL	Your Water	Violation	Explanation and Comment
NITRATE-NITRITE	10 MCL	1.01 PPM	No	
nitrite	1 mcL	0 ppm	No	

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
1,1-Dichloroethylene (ppb)	7	7	ND	No	Discharge from industrial chemical factories
1,2,4-Trichlorobenzene (ppb)	70	70	ND	No	Discharge from textile-finishing factories
1,2-Dichloroethane (ppb)	0	5	ND	No	Discharge from industrial chemical factories
Benzene (ppb)	0	5	ND	No	Discharge from factories; Leaching from gas storage tanks and landfills
Carbon Tetrachloride (ppb)	0	5	ND	No	Discharge from chemical plants and other industrial activities
Chlorobenzene (monochlorobenzene) (ppb)	100	100	ND	No	Discharge from chemical and agricultural chemical factories
Dichloromethane (ppb)	0	5	ND	No	Discharge from pharmaceutical and chemical factories
Ethylbenzene (ppb)	700	700	ND	No	Discharge from petroleum refineries
Haloacetic Acids (HAA5) (ppb)	NA	60	ND	No	By-product of drinking water chlorination
Nitrite [measured as Nitrogen] (ppm)	1	1	ND	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Styrene (ppb)	100	100	ND	No	Discharge from rubber and plastic factories; Leaching from landfills
TTHMs [Total Trihalomethanes] (ppb)	NA	80	ND	No	By-product of drinking water disinfection
Tetrachloroethylene (ppb)	0	5	ND	No	Discharge from factories and dry cleaners
Toluene (ppm)	1	1	ND	No	Discharge from petroleum factories
Vinyl Chloride (ppb)	0	2	ND	No	Leaching from PVC piping; Discharge from plastics factories
Xylenes (ppm)	10	10	ND	No	Discharge from petroleum factories; Discharge from chemical factories
o-Dichlorobenzene (ppb)	600	600	ND	No	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	75	75	ND	No	

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Violation	Typical Source
					Discharge from industrial chemical factories
trans-1,2-Dichloroethylene (ppb)	100	100	ND	No	Discharge from industrial chemical factories

Unit Descriptions	
Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
NA	NA: not applicable
ND	ND: Not detected
NR	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 and Exemptions	Variations and 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: STEVE WOMACK
 Address: PO BOX 643
 MENDENHALL, MS 39114
 Phone: 6013822538

CORRECTED COPY

CCR iWriter

Logout

Consumer Confidence Reports

My Account

Help

Current Report: BLACK CREEK CONSUMER CONFIDENT REPORT 2018

Return to Existing Reports

CCR iWriter Report

- 1. System Information
- 2. Multiple Water Sources
- 3. Consecutive System
- 4. Contaminant Information Summary**
- 5. UCMR Contaminants Information
- 6. Additional Contaminant Information
- 7. Significant Deficiencies
- 8. Cryptosporidium Monitoring
- 9. Radon Monitoring
- 10. Voluntary Monitoring
- 11. Compliance with Other Rules
- 12. Variance and Exemptions
- 13. Additional Languages
- 14. Additional Educational Information
- 15. Create Report

4. Contaminant Information Summary

This is a list of entered contaminants. You can edit or delete one by clicking the appropriate link. Reported Values in red indicate a violation. To enter information on a new regulated contaminant that was detected click the button labeled "Enter New Contaminant".

Contaminant	Reported Level	MCL		
1,1-Dichloroethylene	ND	7 ppb	Edit	Delete
1,2,4-Trichlorobenzene	ND	70 ppb	Edit	Delete
1,2-Dichloroethane	ND	5 ppb	Edit	Delete
Benzene	ND	5 ppb	Edit	Delete
Carbon Tetrachloride	ND	5 ppb	Edit	Delete
Chlorine (as Cl ₂)	1.5 ppm	4 ppm (MRDL)	Edit	Delete
Chlorobenzene (monochlorobenzene)	ND	100 ppb	Edit	Delete
Copper - action level at consumer taps	0.3 ppm	1.3 ppm (AL)	Edit	Delete
Copper - source water	0.33 ppm	NA	Edit	Delete
Dichloromethane	ND	5 ppb	Edit	Delete
Ethylbenzene	ND	700 ppb	Edit	Delete
Haloacetic Acids (HAA5)	ND	60 ppb	Edit	Delete
Lead - action level at consumer taps	3 ppb	15 ppb (AL)	Edit	Delete
Lead - source water	0 ppm	NA	Edit	Delete
Nitrate [measured as Nitrogen]	1.01 ppm	10 ppm	Edit	Delete
Nitrite [measured as Nitrogen]	ND	1 ppm	Edit	Delete
Styrene	ND	100 ppb	Edit	Delete

Contaminant	Reported Level	MCL		
TTHMs [Total Trihalomethanes]	ND	80 ppb	Edit	Delete
Tetrachloroethylene	ND	5 ppb	Edit	Delete
Toluene	ND	1 ppm	Edit	Delete
Vinyl Chloride	ND	2 ppb	Edit	Delete
Xylenes	ND	10 ppm	Edit	Delete
o-Dichlorobenzene	ND	600 ppb	Edit	Delete
p-Dichlorobenzene	ND	75 ppb	Edit	Delete
trans-1,2-Dichloroethylene	ND	100 ppb	Edit	Delete

Enter New Contaminant

< Back
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TTHMs [Total Trihalomethanes] (ppb)	NA	80	4	NA	NA	2017	No	By-product of drinking water disinfection
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Nitrate [measured as Nitrogen] (ppm)	10	10	1.19	NA	NA	2017	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Volatile Organic Contaminants								
1,1-Dichloroethylene (ppb)	7	7	.5	NA	NA	2017	No	
1,2,4-Trichlorobenzene (ppb)	70	70	.5	NA	NA	2017	No	Discharge from textile-finishing factories
1,2-Dichloroethane (ppb)	0	5	.5	NA	NA	2017	No	Discharge from industrial chemical factories
Benzene (ppb)	0	5	.5	NA	NA	2017	No	Discharge from factories; Leaching from gas storage tanks and landfills
Carbon Tetrachloride (ppb)	0	5	.5	NA	NA	2017	No	Discharge from chemical plants and other industrial activities
Chlorobenzene (monochlorobenzene) (ppb)	100	100	.5	NA	NA	2017	No	Discharge from chemical and agricultural chemical factories
Dichloromethane (ppb)	0	5	.5	NA	NA	2017	No	Discharge from pharmaceutical and chemical factories
Ethylbenzene (ppb)	700	700	.5	NA	NA	2017	No	Discharge from petroleum refineries
Styrene (ppb)	100	100	.5	NA	NA	2017	No	Discharge from rubber and plastic factories; Leaching from landfills
Tetrachloroethylene (ppb)	0	5	.5	NA	NA	2017	No	Discharge from factories and dry cleaners
Toluene (ppm)	1	1	.5	NA	NA	2017	No	Discharge from petroleum factories
Vinyl Chloride (ppb)	0	2	.5	NA	NA	2017	No	Leaching from PVC piping; Discharge from plastics factories
Xylenes (ppm)	10	10	.5	NA	NA	2017	No	Discharge from petroleum factories; Discharge from chemical factories
o-Dichlorobenzene (ppb)	600	600	.5	NA	NA	2017	No	Discharge from industrial chemical factories
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trans-1,2-Dichloroethylene (ppb)	100	100	.5	NA	NA	2017	No	Discharge from industrial chemical factories
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Contaminants	State MCL	Your Water	Violation	Explanation and Comment
NITRATE-NITRITE	10 MCL	1.19 PPM	No	
nitrite	1 mcL	.02 ppm	No	

Unit Descriptions

Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L)
ppb	ppb: parts per billion, or micrograms per liter (µg/L)
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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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