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2019 CERTIFICATION

Consumer Confidence Report (CCR)

Senatobia Lakes Estates, Inc.

Public Water System Name

0690012

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 In Person

Date(s) customers were informed: 06/27 / 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

John Lantford, Board Pres.

Name/Title (Board President, Mayor, Owner, Admin. Contact, etc.)

1 July 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!

2019 Quality Water Report
Senatobia Lakes Estates, Inc.
[PWS ID# 0690012]
June 2020

We're pleased to present to you this year's Annual Water Quality 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. Our water source is **four ground water wells that pump from the SPARTA AQUIFER SYSTEM**. Our source water assessment is available upon request. I'm pleased to report that our drinking water meets all federal and state requirements. This report shows our water quality and what it means. If you have any questions about this report or concerning your water utility, please contact John Lansford 479 Pepper Tree Ln Senatobia, MS 38668. 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 **second Sunday of each month at 3:00 p.m. at the Senatobia Public Library on 222 Ward St. in Senatobia, MS.**

Senatobia Lakes Estates, Inc. routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2019. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

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

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

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

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level - 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 - 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.

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								
1074 Antimony,total	n	01/22/19	tf 103 <.0005	0	ppm	0.006	0.006	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
1005 Arsenic	n	01/22/19	tf 103 <.0005	0	ppm	.010	.010	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
1010 Barium	n	01/22/19	tf 103 .0111	0	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
1075 Beryllium,total	n	01/22/19	tf 103 <.0005	0	ppm	0.004	0.004	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
1015 Cadmium	n	01/22/19	tf 103 <0005	0	ppm	0.005	0.005	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
1020 Chromium	n	01/22/19	tf 103 .0021	0	ppm	0.1	0.1	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	n	06/30/19	.9	1	mg/l	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

15. Cyanide	n	07/08/19	SP-80 <.015 SP-81 <.015	0	ppm	0.2	0.2	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
16. Fluoride	n	01/22/19	tf 103 < 0,1	0	mg/l	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	n	06/30/19	.027	0	mg/l	0.015	AL=.015	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	n	2019	tf 080-4400 tf 081-4400		ppb ppb			Road salt, Water Treatment Chemicals, Water Softners, and Sewer Effluents
1035 Mercury (inorganic)	n	01/22/19	tf 103 <.0005	0	ppm	0.002	0.002	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
1040 Nitrate (as Nitrogen)	n	05/07/19	tf 103 0.26	0	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1041 Nitrite (as Nitrogen)	n	05/07/19	tf 103 < 0.02	0	ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1038 Nitrate+Nitrite (as N)	n	05/07/19	tf 103 0.26	0	ppm	10	10	Run-off from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1045 Selenium	n	01/22/19	tf 103 <.0005	0	ppm	0.05	0.05	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
1085 Thallium, total	n	01/22/19	tf 103 <.0005	0	ppm	.0002	0.002	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

Volatile Organic Contaminants tf080 - tf081

2990 Benzene	n	09/03/19	<0.5	0	ppb	5	5	Discharge from factories; leaching from gas storage tanks and landfills
2982 Carbon tetrachloride	n	09/03/19	<0.5	0	ppb	5	5	Discharge from chemical plants and other industrial activities
2968 o-Dichlorobenzene	n	09/03/19	<0.5	0	ppb	600	600	Discharge from industrial chemical factories
2969 p-Dichlorobenzene	n	09/03/19	<0.5	0	ppb	75	75	Discharge from industrial chemical factories
2980 1,2 - Dichloroethane	n	09/03/19	<0.5	0	ppb	5	5	Discharge from industrial chemical factories
2977 1,1 - Dichloroethylene	n	09/03/19	<0.5	0	ppb	7	7	Discharge from industrial chemical factories
2380 cis-1,2- dichloroethylene	n	09/03/19	<0.5	0	ppb	70	70	Discharge from industrial chemical factories
2979 trans - 1,2 - Dichloroethylene	n	09/03/19	<0.5	0	ppb	100	100	Discharge from industrial chemical factories
2964 Dichloromethane	n	09/03/19	<0.5	0	ppb	5	5	Discharge from pharmaceutical and chemical factories
2983 1,2- Dichloropropane	n	09/03/19	<0.5	0	ppb	5	5	Discharge from industrial chemical factories
2992 Ethylbenzene	n	09/03/19	<0.5	0	ppb	700	700	Discharge from petroleum refineries
2996 Styrene	n	09/03/19	<0.5	0	ppb	100	100	Discharge from rubber and plastic factories; leaching from landfills
2987 Tetrachloroethylene	n	09/03/19	<0.5	0	ppb	5	5	Leaching from PVC pipes; discharge from factories and dry cleaners
2378 1,2,4 -	n	09/03/19	<0.5	0	ppb	70	70	Discharge from textile

2976 Vinyl Chloride	n	09/03/19	<0,5	0	ppb	2	2	Leaching from PVC piping; discharge from plastics factories
2955 Xylenes, total	n	09/03/19	<0.5	0	ppb	10000	10000	Discharge from petroleum factories; discharge from chemical factories
2989 chlorobenzene	n	09/03/19	<0,5	0	ppb	100	100	
4006 combined uranium	n	05/01/18	<0,5	0	ppb	30	30	
4002 Gross Alpha, incl. Radon &u	n	01/17/18	1,7 pci/l	0	pci/l	15	15	
4020 Radium-226	n	01/17/18	<0,12	0	pci/l			
4030 Radium-228	n	01/17/18	0,10 csu	0	pci/l			
4010 Combined Radium(-226 & -228)	n	01/17/18	<0,48	0	pci/l	5	5	
Chlorine	N	2019	highest QTR RAA 0.60	MRDL Range 0.50 – 0.60	mg/l	0	MDRL=4	Water additive used to control microbes
RUNNING ANNUAL AVERAGE								
2950 TTHM	N	08/22/16	4	0	ppb	0	80	By-product of drinking water chlorination
2456 HAA5	N	08/22/16	< 6.0	0	ppb	0	60	

***SP – Sampling Point**

(14) Copper. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

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. Senatobia Lakes, Estates Inc. 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 for \$10 per sample. Please contact (601)576-7582 if you wish to have your water tested.

Monitoring and Reporting of Compliance DT Violations

45-Failure Address Deficiency -04/25/19

During asanitary survey conducted 05/21/2015 the Mississippi State Department of Health cited the following deficiency(s):

Significant Deficiencies:

This system is under a Consent agreement with the MSDH to complete corrective actions by 9/30/2020

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. Please call 662-562-8456 if you have questions.

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.