

Consumer Confidence Report Drinking Water Report Yr. 2023 City of Pass Christian- PWS ID#0240009

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?

Our water comes from four deep water wells that draw water from the Pascagoula Formation, approximately 900 feet below the ground surface.

Source water assessment and its availability

A Source Water Assessment has been completed by the Mississippi Department of Environmental Quality. It indicated that all four of our wells are rated as "MODERATE" risk for future contamination by groundwater.

The complete report is available for review at the Water Department billing office

How can I get involved?

The Pass Christian Board of Alderman has a regularly scheduled meeting on the first and third Tuesday of each month, Beginning 6:00 PM. All customers of the Pass Christian Water System are invited to attend. This Consumer Confidence Report will not be mailed to the customers of the water system.

UNREGULATED CONTAMINANTS

| Contaminant | Violation | Sample yr. | Unit of Measure | Your Water (avg. of all results) | Range | MCL G | Typical Source |
|-------------|-----------|------------|-----------------|----------------------------------|-------|-------|--------------------------------------|
| Sodium | no | 2021 | Mg/l | 134 | | 20 | Erosion of natural Deposits leaching |

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

EPA recommends that drinking water sodium not exceed 20 milligrams per liter (MG/L). Excess sodium from salt in the diet increases the risk of high blood pressure and cardiovascular disease.

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. City of Pass Christian 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, TL, 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 | 2 | .6 | 3 | 2023 | No | Water additive used to control microbes |
| Haloacetic Acids (HAA5) (ppb) | NA | 60 | 8.13 | 4.4 | 8.13 | 2023 | No | By-product of drinking water chlorination |
| TTHMs [Total Trihalomethanes] (ppb) | NA | 80 | 14.4 | 5.76 | 14.4 | 2023 | No | By-product of drinking water disinfection |
| Inorganic Contaminants | | | | | | | | |
| Barium (ppm) | 2 | 2 | .0112 | NA | NA | 2022 | No | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits |
| Chromium (ppb) | 100 | 100 | .0012 | .0008 | .0012 | 2022 | No | Discharge from steel and pulp mills; Erosion of natural deposits |
| Fluoride (ppm) | 4 | 4 | .457 | .404 | .457 | 2022 | No | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| Sodium (optional) (ppm) | NA | | 20 | NA | NA | 2021 | No | Erosion of natural deposits; Leaching |
| 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 | .1 | 2021 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits | |
| Lead - action level at consumer taps (ppb) | 0 | 15 | 5 | 2021 | 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 |
|----------------------|-----------|------------|-----------|-------------------------|
| Bromodichloromethane | ppb | 1.78 ppb | No | |
| Chloroform | ppb | 12.6 ppb | No | |
| Dichloroacetic Acid | ppb | 4 ppb | No | |
| Trichloroacetic acid | ppb | 3.16 ppb | No | |
| lithium | | 19.2 ug/l | 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) |
| 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. |
| Variances and Exemptions | Variances 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 |

Important Drinking Water Definitions

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| MPL | MPL: State Assigned Maximum Permissible Level |
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For more information please contact:

Contact Name: Teryl Anthony- Certified Water Operator
Address: 396 Clark Avenue
Pass Christian , MS 39571
Phone: 228 452-2031