## 2023 Consumer Confidence Report

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| Water System Name: | **San Lucas WD (CA2701676)** | Report Date: | May 31, 2024 |

*We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 to December 31, 2023 and may include earlier monitoring data.*

**Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse San Lucas WD a (831)920-6796 para asistirlo en español.**

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| Type of water source(s) in use: | | Groundwater | | | | |
| Name & general location of source(s): | | | Well 03 is located in the Mission Ranch property south of San Lucas off | | | |
| Cattlemen Rd. | | | | | | |
| Drinking Water Source Assessment information: | | | | Not available | | |
|  | | | | | | |
| Time and place of regularly scheduled board meetings for public participation: | | | | | | 2nd Thursday every month at local |
| water district office.  Cypress Water Services, Inc. – (831)920-6796 – Info@CypressWaterServices.com | | | | | | |
| For more information, contact: |
| **TERMS USED IN THIS REPORT** | | | | | | | |
| **Maximum Contaminant Level (MCL)**: The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.  **Maximum Contaminant Level Goal (MCLG)**: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (U.S. EPA).  **Public Health Goal (PHG)**: The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.  **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 for control of microbial contaminants.  **Maximum Residual Disinfectant Level Goal (MRDLG)**: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.  **Primary Drinking Water Standards (PDWS)**: MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements. | | | | | | **Secondary Drinking Water Standards (SDWS)**:MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.  **Treatment Technique (TT)**: A required process intended to reduce the level of a contaminant in drinking water.  **Regulatory Action Level (AL)**: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.  **Variances and Exemptions**: Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.  **Level 1 Assessment**: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.  **Level 2 Assessment**: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.  **ND**: not detectable at testing limit **ppm**: parts per million or milligrams per liter (mg/L) **ppb**: parts per billion or micrograms per liter (µg/L) **ppt**: parts per trillion or nanograms per liter (ng/L)  **ppq**: parts per quadrillion or picogram per liter (pg/L) **pCi/L**: picocuries per liter (a measure of radiation) | |

**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.

**Contaminants that may be present in source water include:**

* *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, that 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*, that 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, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
* *Radioactive contaminants*, that 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**, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

**Tables 1, 2, 3, 4, 5, and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent**. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

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| Table 1 – SAMPLING RESULTS SHOWING the detection of coliform bacteria | | | | | | | | | | | |
| **Microbiological Contaminants** | | | **Highest # Detections** | **# Months in Violation** | | MCL | | | | **MCLG** | **Typical Source of Bacteria** |
| Total Coliform Bacteria (state Total Coliform Rule) | | | (In a month)  0 | 0 | | 1 positive monthly sample | | | | 0 | Naturally present in the environment |
| Fecal Coliform or *E. coli* (state Total Coliform Rule) | | | (In the year)  0 | 0 | | A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or *E. coli* positive | | | |  | Human and animal fecal waste |
| *E. coli*  (federal Revised Total Coliform Rule) | | | (In the year)  0 | 0 | | (a) | | | | 0 | Human and animal fecal waste |
| (a) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*. | | | | | | | | | | | |
| Table 2 – SAMPLING RESULTS SHOWING THE detection of Lead and copper | | | | | | | | | | | |
| Lead and Copper | **Sample Date** | **# Samples Collected** | **90th Percentile Level Detected** | | **# Sites Exceeding AL** | | **AL** | **PHG** | **Typical Source of Contaminant** | | |
| Lead (ppb) | 6/2023  12/2023 | 10  10 | 0  0 | | 0  0 | | 15 | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits | | |
| Copper (ppm) | 6/2023  12/2023 | 10  10 | 0.613  0.746 | | 1  1 | | 1.3 | 0.3 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives | | |

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| TAble 3 – SAMPLING RESULTS FOR sodium and hardness | | | | | | | | | | | | | | |
| **Chemical or Constituent** (and reporting units) | **Sample Date** | | **Average Level Detected** | | **Range of Detections** | | | **MCL** | **PHG (MCLG)** | | **Typical Source of Contaminant** | | | |
| Sodium (ppm) | 3/2023 10/202311/2023 | | 76 | | 63 - 84 | | | None | None | | Salt present in the water and is generally naturally occurring | | | |
| Hardness (ppm) | 3/2023 10/2023 11/2023 | | 574 | | 441 - 645 | | | None | None | | Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring | | | |
| **TAble 4 – detection of contaminants with a Primary Drinking Water Standard** | | | | | | | | | | | | | | |
| **Chemical or Constituent** (and reporting units) | | **Sample Date** | | **Average Level Detected** | | **Range of Detections** | | | | **MCL [MRDL]** | | | **PHG**  **(MCLG) [MRDLG]** | **Typical Source of Contaminant** |
| Arsenic (ppb) | | 03/2023 10/2023 11/2023 | | 1.26 | | ND - 2.6 | | | | 10 | | | 0.004 | Erosion of natural deposits; runoff from orchards; glass and electronic production wastes |
| Barium (ppm) | | 03/2023 10/2023 11/2023 | | 0.0484 | | 0.0441 – 0.0526 | | | | 1 | | | 2 | Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits |
| Beryllium (ppb) | | 03/2023 10/2023 11/2023 | | 0.333 | | ND - 1 | | | | 4 | | | 1 | Discharge from metal refineries, coal-burning factories, and electrical, aerospace, and defense industries |
| Cadmium (ppb) | | 03/2023 10/2023 11/2023 | | 0.366 | | ND – 1.1 | | | | 5 | | | 0.04 | Internal corrosion of galvanized pipes; erosion of natural deposits; discharge from electroplating and industrial chemical factories, and metal refineries; runoff from waste batteries and paints |
| Fluoride (ppm) | | 02/2023 03/2023 10/2023 11/2023 | | 0.1 | | ND - 0.1 | | | | 2 | | | 1 | Erosion of natural deposits; runoff from orchards; glass and electronic production wastes |
| Gross Alpha (pCi/L) | | Quarterly 2023 | | |  | | --- | | 7.13±0.757 | | | 4.14±1.030 - 9.33±1.410 | | | | 15 | | | (0) | Erosion of natural deposits |
| Haloacetic Acids (ppb) | | Quarterly 2023 | | 24 | | 18 - 33 | | | | 60 | | | N/A | Byproduct of drinking water disinfection |
| Nickel (ppb) | | 3/2023 10/2023 11/2023 | | 10.9 | | 8.4 - 13.8 | | | | 100 | | | 12 | Erosion of natural deposits; discharge from metal factories |
| Nitrate as N (ppm) | | Weekly  2023 | | 1.869 | | ND – 8.2 | | | | 10 | | | 10 | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |
| Selenium (ppb) | | 3/2023 10/2023 11/2023 | | 3.8 | | 1.3 – 5.6 | | | | 50 | | | 30 | Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive) |
| Thallium (ppb) | | 3/2023 10/2023 11/2023 | | 0.333 | | ND - 1 | | | | 2 | | | 0.1 | Leaching from ore-processing sites; discharge from electronics, glass, and drug factories |
| Total Trihalomethanes (ppb) | | Quarterly 2023 | | 64.5 | | 38 - 89 | | | | 80 | | | N/A | Byproduct of drinking water disinfection |
| Uranium (pCi/L) | | Quarterly  2023 | | 7.5 | | 3.1 – 6.8 | | | | 20 | | | (0) | Erosion of natural deposits |
| **TAble 5 – detection of contaminants with a Secondary Drinking Water Standard** | | | | | | | | | | | | | | |
| **Chemical or Constituent** (and reporting units) | | | **Sample Date** | | **Average Level Detected** | | **Range of Detections** | | | **SMCL** | | Typical Source of Contaminant | | | |
| Chloride (ppm) | | | 3/2023 10/2023 11/2023 | | 126.2 | | 82 - 142 | | | 500 | | Runoff/leaching from natural deposits; seawater influence | | | |
| Color | | | 3/2023 10/2023 11/2023 | | 5 | | 3 - 7 | | | 15 | | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives | | | |
| Odor (units) | | | 3/2023 10/2023 11/2023 | | 1 | | ND - 1 | | | 3 | | Naturally-occurring organic materials | | | |
| Post Treatment Iron (ppb) | | | Monthly  2023 | | 169 | | 10 – 785 | | | 300 | | Leaching from natural deposits; industrial wastes | | | |
| Post Treatment Manganese (ppb) | | | Monthly  2023 | | 34.53 | | ND – 274 | | | 50 | | Leaching from natural deposits | | | |
| Specific Conductance (µS/cm) | | | 3/2023 6/2023 8/2023 10/2023 11/2023 12/2023 | | 1,483 | | 1,129 – 1,604 | | | 1,600 | | Substances that form ions when in water; seawater influence | | | |
| Sulfate (ppm) | | | 3/2023 10/2023 11/2023 | | 422 | | 327 - 474 | | | 500 | | Runoff/leaching from natural deposits; industrial wastes | | | |
| Total Dissolved Solids (ppm) | | | 3/2023 10/2023 11/2023 | | 981 | | 804 - 1120 | | | 1,000 | | Runoff/leaching from natural deposits | | | |
| Turbidity (NTU) | | | 3/2023 10/2023 11/2023 | | 0.62 | | 0.5 – 1.2 | | | 5 | | Soil runoff | | | |
| Zinc (ppb) | | | 3/2023 10/2023 11/2023 | | 21.3 | | ND - 64 | | | 5,000 | | Runoff/leaching from natural deposits; industrial wastes | | | |

**Additional General Information on 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA’s Safe Drinking Water Hotline (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. U.S. 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 Drinking Water Hotline (1-800-426-4791).

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| Lead-Specific Language: 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. San Lucas CWD 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. [***OPTIONAL:*** If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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 (1-800-426-4791) or at <http://www.epa.gov/lead>. |

**Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement**

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| **VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT** | | | | |
| **Violation** | **Explanation** | **Duration** | **Actions Taken to Correct the Violation** | **Health Effects Language** |
| **TTHM Operational Evaluation Level Report failure to submit** | **Our water system exceeded the Operational Evaluation Level (OEL) for Total Trihalomethanes (TTHM) of 80 ug/L during the first quarter of 2023. We were required to conduct an operational evaluation of our water system to determine the cause of increased TTHM levels in our drinking water and find solutions to this water quality problem. In addition, we were required to submit an OEL report to the State Water Board within 90 days of being notified of the analytical result that caused the OEL exceedance. We did not conduct the operational evaluation and failed to submit the OEL report to the State Water Board within the specified time; therefore, our water system was in violation of the regulations. Even though this failure was not an emergency, as our customers, you have a right to know what happened.”** | **Q1 2023** | **The report has been submitted.** | **NA** |

**For Water Systems Providing Groundwater as a Source of Drinking Water**

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| **TAble 7 – SAMPLING RESULTS SHOWING feCal indicator-positive groundwater source samples** | | | | | |
| **Microbiological Contaminants**  (complete if fecal-indicator detected) | **Total No. of Detections** | **Sample Dates** | **MCL [MRDL]** | **PHG (MCLG) [MRDLG]** | **Typical Source of Contaminant** |
| *E. coli* | 0 | Taken Monthly | 0 | (0) | Human and animal fecal waste |
| Enterococci | 0 | Taken Monthly | TT | N/A | Human and animal fecal waste |
| Coliphage | 0 | - | TT | N/A | Human and animal fecal waste |

**Summary Information for Federal Revised Total Coliform Rule**

**Level 1 and Level 2 Assessment Requirements**

**Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation**

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.

During the past year we were required to conduct 0 Level 1 assessment(s).

During the past year 0 Level 2 assessments were required to be completed for our water system.

**Level 2 Assessment Requirement Due to an *E. coli* MCL Violation**

*E. coli* are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems.

We were NOT required to complete a Level 2 assessment because we DID NOT find *E. coli* in our water system. In addition, we were NOT required to take any corrective actions.