## 2023 Consumer Confidence Report

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| Water System Name: | TOOLEVILLE | Report Date: | JULY 1, 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 2023 - December 31, 2023.*

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

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| Type of water source(s) in use: | WATER WELL | | | | | |  |
| Name & location of source(s): | Morgan Well (Well 1) Extreme East of Morgan Street & Alfred Well | | | | | |  |
| (Well 2) North of Alfred Street | | | | | | |  |
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| Drinking Water Source Assessment information: | | IN OFFICE | | | | |  |
|  | | | | | | |  |
| Time and place of regularly scheduled board meetings for public participation: | | | | | First Tuesday of each month at | |  |
| At 4:00 p.m. in the District Office | | | | | | |  |
| For more information, contact: | RALPH GUTIERREZ | | | Phone: | | (559 ) 901-6097 |  |
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| ***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 (USEPA).  **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 level of a disinfectant added for water treatment that may not be exceeded at the consumer’s tap.  **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency. | | | **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**: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.  **ND**: not detectable at testing limit  **ppm**: parts per million or milligrams per liter (mg/L)  **ppb**: parts per billion or micrograms per liter (ug/L)  **ppt**: parts per trillion or nanograms per liter (ng/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 storm water 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 storm water 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 storm water 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 USEPA and the state Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

**Tables 1, 2, 3, 4, and 5 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 Department 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.

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| **Table 1 - sampling results showing the detection of coliform bacteria** | | | | | | | | | | | | | |
| **Microbiological Contaminants**  (to be completed only if there was a detection of bacteria ) | **Highest No. of detections** | | **No. of months in violation** | | **MCL** | | | **MCLG** | | **Typical Source of Bacteria** | | | |
| Total Coliform Bacteria | 0 | | 0 | | More than 1 sample in a month with a detection | | | 0 | | Naturally present in the environment | | | |
| Fecal Coliform or *E. coli* | 0 | | 0 | | A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or *E. coli* | | | 0 | | Human and animal fecal waste | | | |
| Table 2 - sampling results showing the detection of Lead and copper | | | | | | | | | | | | | | | |
| Lead and Copper  (to be completed only if there was a detection of lead or copper in the last sample set) | | | **No. of samples collected** | | **90th percentile level detected** | | **No. sites exceeding AL** | **AL** | | **PHG** | | | **No. of Schools Requesting Lead Sampling** | **Typical Source of Contaminant** | |
| Lead (ppb)  9/20/22 | | | 5 | | ND | | 0 | 15 | | 2 | | | 0 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits | |
| Copper (ppm)  9/20/22 | | | 5 | | ND | | 0 | 1.3 | | 0.17 | | | N/A | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives | |
| TAble 3 - sampling results for sodium and hardness | | | | | | | | | | | | | | | |
| **Chemical or Constituent** (and reporting units) | | | **Sample Date** | | **Level Detected** | | **Range of Detections** | **MCL** | | **PHG**  **(MCLG)** | | **Typical Source of Contaminant** | | | |
| Sodium (ppm) | | | 4/19/19 | | 260 | | 130- 390 | none | | none | | Generally found in ground & surface water | | | |
| Hardness (ppm) | | | 4/19/19 | | 575 | | 420 – 730 | none | | none | | Generally found in ground & surface water | | | |

**\****Any violation of an MCL or AL is marked with an asterisk. Additional information regarding the violation is provided later in this report*

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| **TAble 4 - detection of contaminants with a Primary Drinking Water Standard** | | | | | | |
| **Chemical or Constituent** (and reporting units) | **Sample Date** | **Level Detected** | **Range of Detections** | MCL  **[MRDL]** | PHG  **(MCLG)**  **[MRDLG]** | **Typical Source of Contaminant** |
| Nitrates as nitrogen ppm | 1st, 2nd, 3rd. 4th Qtrs | 6.75 | 6.1 – 7.3 | 10 |  | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |
| Flouride | 6/28/22 | .24 | .24 |  |  | Erosion of natural deposits |
| Total Radium 228 pCi/L  Perchlorate  Gross Alpha Particle  Activity (pCiL) | 4/19/19  12/17/19  5/25/23  3/29/23  8/30/23 | .154  5.3  .781 | ND – 456  5.3  .678 –  .883 | 2  15 |  | Erosion of natural deposits  Perchlorate has been shown to interfere with uptake of iodide by the thyroid gland, and to thereby reduce the production of thyroid hormones, leading to adverse affects associated with inadequate hormone levels. Thyroid hormones are needed for normal prenatal growth and development of the fetus, as well as for normal growth and development in the infant and child. In adults, thyroid hormones are needed for normal metabolism and mental function.  Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer. |

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| **TAble 5 - detection of contaminants with a Secondary Drinking Water Standard** | | | | | | |
| **Chemical or Constituent** (and reporting units) | **Sample Date** | **Level Detected** | **Range of Detections** | **MCL** | **PHG**  **(MCLG)** | **Typical Source of Contaminant** |
| Chloride ppm | 4th Qtr | 400 | 310-950 | 500 |  | Runoff/leaching from natural deposits: seawater influence |
| Sulfate ppm  Iron PPB | 6/28/22 | 59    68 | 59    ND-630 | 300 |  | Runoff/leaching from natural deposits: industrial wastes  Leaking from natural deposits, seawater influence. |
| T D S ppm  Calcium | 4th Qtr | 894 | 700 - 1000 | 1000 |  | Runoff/leaching from natural deposits; industrial wastes |
| Ec’s Ec’s  Specific us/cm  Conductance  Selenium | 4thQtrs  9/27/22 | 1500  7.1 | 1000 - 1700 | 2500 |  | Substances that form from ions when in water, sea water  Selenium is an essential utrient. However, Some people who drink water containing selenium in excess of the MCL over many years may experience hair or fingernail losses, numbness in fingers or toes, or circulation system problems. |

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| Chemical or Constituent  (and reporting units) | **Sample Date** | **Level Detected** | **Notification  Level** | **Health Effects Language** |
| **Unregulated Contaminants**  Hexavalient (Chromium 6) Chromium PPB | **3/29/22**  **9/27/22** | 12 | ND - 12 | By\*product of drinking water disinfection |
| Haloacetic acids ppb |  |  |  | By product of drinking water disinfection |

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| TABLE 6 – WATER DISTRIBUTION SYSTEM | | | | |
| Chemical or Constituent  (and reporting units) | **Sample Date** | **Level Detected** | **Notification  Level** | **Health Effects Language** |
| **TTHMs (Total Trihalomethanes ppb** | 9/28/21 | 3 | 80 | By products of water disinfection |
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**\****Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.*

**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 USEPA’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. USEPA/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)

**VIOLATION**  - **From January through December 2022 , the Tooleville Water Mutual was on a boil water notice for the violation of low water pressure due to lackof water at the water wells. The boil water notice remains active.**

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Summary Information for Contaminants Exceeding an MCL, MRDL, or AL, or a Violation of Any Treatment Technique or Monitoring and Reporting Requirement

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