

# 2023 Consumer Confidence Report

Water System Name: KIERNAN BUSINESS CENTER

Report Date: April 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 - December 31, 2023.*

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

**Type of water source(s) in use:** According to SWRCB records, this Source Groundwater. This Assessment was done using the Default Groundwater System Method.

**Your water comes from 1 source(s):** WELL

**Opportunities for public participation in decisions that affect drinking water quality:** Regularly-scheduled water board or city/county council meetings currently are not held.

For more information about this report, or any questions relating to your drinking water, please call 209-406-6069 and ask for Sam Hedge or email [samhedge@caldsl.net](mailto:samhedge@caldsl.net).

## TERMS USED IN THIS REPORT

**Maximum Contaminant Level (MCL):** The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically 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 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 the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

**Secondary Drinking Water Standards (SDWS):** MCLs for the 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.

**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.

**mg/L:** milligrams per liter or parts per million (ppm)

**ug/L:** micrograms per liter or parts per billion (ppb)

**NTU:** Nephelometric Turbidity Units

**umhos/cm:** micro mhos per centimeter

**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 by-products 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 USEPA and the State Water Resource Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water Board regulations 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 Water 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 MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

| <b>Table 1 - SAMPLING RESULTS FOR SODIUM AND HARDNESS</b> |                    |                               |                            |            |                   |  |
|---|--------------------|-------------------------------|----------------------------|------------|-------------------|--|
| <b>Chemical or Constituent</b><br>(and reporting units)   | <b>Sample Date</b> | <b>Average Level Detected</b> | <b>Range of Detections</b> | <b>MCL</b> | <b>PHG (MCLG)</b> | <b>Typical Sources of Contaminant</b>  |
| Sodium (mg/L)   | (2020)             | 26                            | n/a                        | none       | none              | Salt present in the water and is generally naturally occurring   |
| Hardness (mg/L)   | (2020)             | 82.8                          | n/a                        | none       | none              | Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring |

| <b>Table 2 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD</b> |                    |                               |                            |                   |                           |   |
|---|--------------------|-------------------------------|----------------------------|-------------------|---------------------------|---|
| <b>Chemical or Constituent</b><br>(and reporting units)                           | <b>Sample Date</b> | <b>Average Level Detected</b> | <b>Range of Detections</b> | <b>MCL [MRDL]</b> | <b>PHG (MCLG) [MRDLG]</b> | <b>Typical Sources of Contaminant</b>   |
| Arsenic (ug/L)  | (2023)             | 4                             | n/a                        | 10                | 0.004                     | Erosion of natural deposits; runoff from orchards, glass and electronics production wastes                  |
| Nitrate as N (mg/L)   | (2022)             | 4.3                           | n/a                        | 10                | 10                        | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |
| Nitrate + Nitrite as N (mg/L)   | (2020)             | 4.4                           | n/a                        | 10                | 10                        | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |

|  |        |    |         |   |     |  |
|--|--------|----|---------|---|-----|--|
| 1,2,3-Trichloropropane<br>(1,2,3-TCP) (ng/L) | (2023) | 22 | 21 - 24 | 5 | 0.7 | Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides. |
|--|--------|----|---------|---|-----|--|

**Table 3 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD**

| Chemical or Constituent<br>(and reporting units) | Sample Date | Average Level Detected | Range of Detections | MCL  | PHG (MCLG) | Typical Sources of Contaminant                              |
|--|-------------|------------------------|---------------------|------|------------|---|
| Chloride (mg/L)                                  | (2020)      | 14                     | n/a                 | 500  | n/a        | Runoff/leaching from natural deposits; seawater influence   |
| Specific Conductance (umhos/cm)                  | (2020)      | 550                    | n/a                 | 1600 | n/a        | Substances that form ions when in water; seawater influence |
| Sulfate (mg/L)                                   | (2020)      | 11                     | n/a                 | 500  | n/a        | Runoff/leaching from natural deposits; industrial wastes    |
| Total Dissolved Solids (mg/L)                    | (2020)      | 280                    | n/a                 | 1000 | n/a        | Runoff/leaching from natural deposits                       |
| Turbidity (NTU)                                  | (2023)      | 0.1                    | n/a                 | 5    | n/a        | Soil runoff   |

**Table 4 - DETECTION OF UNREGULATED CONTAMINANTS**

| Chemical or Constituent<br>(and reporting units) | Sample Date | Average Level Detected | Range of Detections | Notification Level | Typical Sources of Contaminant  |
|--|-------------|------------------------|---------------------|--------------------|---|
| Boron (mg/L)                                     | (2020)      | 0.2                    | n/a                 | 1                  | Boron exposures resulted in decreased fetal weight (developmental effects) in newborn rats. |
| Vanadium (ug/L)                                  | (2023)      | 29                     | n/a                 | 50                 | Vanadium exposures resulted in developmental and reproductive effects in rats.              |

**Table 5 - ADDITIONAL DETECTIONS**

| Chemical or Constituent<br>(and reporting units) | Sample Date | Average Level Detected | Range of Detections | Notification Level | Typical Sources of Contaminant |
|--|-------------|------------------------|---------------------|--------------------|--------------------------------|
| Calcium (mg/L)                                   | (2020)      | 20                     | n/a                 | n/a                | n/a                            |
| Magnesium (mg/L)                                 | (2020)      | 8                      | n/a                 | n/a                | n/a                            |
| pH (units)                                       | (2020)      | 8                      | n/a                 | n/a                | n/a                            |
| Alkalinity (mg/L)                                | (2020)      | 120                    | n/a                 | n/a                | n/a                            |
| Aggressiveness Index                             | (2020)      | 11.8                   | n/a                 | n/a                | n/a                            |
| Langelier Index                                  | (2020)      | -0.06                  | n/a                 | n/a                | n/a                            |

## 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).

Lead Specific Language for Community Water Systems: 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 the service lines and home plumbing. *Kiernan Business Center* 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/lead>.

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

| <b>VIOLATION OF A MCL,MRDL,AL,TT, OR MONITORING AND REPORTING REQUIREMENT</b> |                    |                 |   |   |
|---|--------------------|-----------------|---|---|
| <b>Violation</b>  | <b>Explanation</b> | <b>Duration</b> | <b>Actions Taken To Correct the Violation</b> | <b>Health Effects Language</b>  |
| 1,2,3-Trichloropropane (1,2,3-TCP)  |                    |                 |   | Some people who use water containing 1,2,3-trichloropropane in excess of the action level over many years may have an increased risk of getting cancer, based on studies in laboratory animals. |

## **2023 Consumer Confidence Report Drinking Water Assessment Information**

### **Assessment Information**

A source water assessment was conducted for the WELL of the KIERNAN BUSINESS CENTER water system in January, 2015.

WELL - is considered most vulnerable to the following activities not associated to contaminants detected in the water supply:

- Automobile Repair Shops
- Photo Processing / Printing
- Sewer Collection Systems
- Farm Chemical Distributor / Application Service

### **Discussion of Vulnerability**

There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source.

### **Acquiring Information**

A copy of the complete assessment may be viewed at:

Stanislaus County, DER  
3800 Cornucopia Way, Suite C  
Modesto, CA 95358

You may request a summary of the assessment be sent to you by contacting:

Stanislaus County  
Department of Environmental Resources (SCDER)  
(209) 525-6700

# Kiernan Business Center

## Analytical Results By FGL - 2023

| SAMPLING RESULTS FOR SODIUM AND HARDNESS |              |       |      |        |      |            |        |                |             |
|--|--------------|-------|------|--------|------|------------|--------|----------------|-------------|
|  |              | Units | MCLG | CA-MCL | PHG  | Sampled    | Result | Avg. Result(a) | Range (b)   |
| <b>Sodium</b>                            |              | mg/L  |      | none   | none |            |        | 26             | 26 - 26     |
| WELL                                     | STK2051517-1 | mg/L  |      |        |      | 2020-08-12 | 26     |                |             |
| <b>Hardness</b>                          |              | mg/L  |      | none   | none |            |        | 82.8           | 82.8 - 82.8 |
| WELL                                     | STK2051517-1 | mg/L  |      |        |      | 2020-08-12 | 82.8   |                |             |

| PRIMARY DRINKING WATER STANDARDS (PDWS)   |              |       |      |        |       |            |        |                |           |
|---|--------------|-------|------|--------|-------|------------|--------|----------------|-----------|
|   |              | Units | MCLG | CA-MCL | PHG   | Sampled    | Result | Avg. Result(a) | Range (b) |
| <b>Arsenic</b>                            |              | ug/L  |      | 10     | 0.004 |            |        | 4              | 4 - 4     |
| WELL                                      | STK2350402-1 | ug/L  |      |        |       | 2023-08-03 | 4      |                |           |
| <b>Nitrate as N</b>                       |              | mg/L  |      | 10     | 10    |            |        | 4.3            | 4.3 - 4.3 |
| WELL                                      | STK2250857-1 | mg/L  |      |        |       | 2022-08-04 | 4.3    |                |           |
| <b>Nitrate + Nitrite as N</b>             |              | mg/L  |      | 10     | 10    |            |        | 4.4            | 4.4 - 4.4 |
| WELL                                      | STK2051517-1 | mg/L  |      |        |       | 2020-08-12 | 4.4    |                |           |
| <b>1,2,3-Trichloropropane (1,2,3-TCP)</b> |              | ng/L  |      | 5      | 0.7   |            |        | 22             | 21 - 24   |
| WELL                                      | STK2355685-1 | ng/L  |      |        |       | 2023-11-14 | 21     |                |           |
| WELL                                      | STK2350315-1 | ng/L  |      |        |       | 2023-08-03 | 21     |                |           |
| WELL                                      | STK2335500-1 | ng/L  |      |        |       | 2023-05-03 | 21     |                |           |
| WELL                                      | STK2331661-1 | ng/L  |      |        |       | 2023-02-09 | 24     |                |           |

| SECONDARY DRINKING WATER STANDARDS (SDWS) |              |          |      |        |     |            |        |                |             |
|---|--------------|----------|------|--------|-----|------------|--------|----------------|-------------|
|   |              | Units    | MCLG | CA-MCL | PHG | Sampled    | Result | Avg. Result(a) | Range (b)   |
| <b>Chloride</b>                           |              | mg/L     |      | 500    | n/a |            |        | 14             | 14 - 14     |
| WELL                                      | STK2051517-1 | mg/L     |      |        |     | 2020-08-12 | 14     |                |             |
| <b>Specific Conductance</b>               |              | umhos/cm |      | 1600   | n/a |            |        | 550            | 550 - 550   |
| WELL                                      | STK2051517-1 | umhos/cm |      |        |     | 2020-08-12 | 550    |                |             |
| <b>Sulfate</b>                            |              | mg/L     |      | 500    | n/a |            |        | 11.0           | 11.0 - 11.0 |
| WELL                                      | STK2051517-1 | mg/L     |      |        |     | 2020-08-12 | 11.0   |                |             |
| <b>Total Dissolved Solids</b>             |              | mg/L     |      | 1000   | n/a |            |        | 280            | 280 - 280   |
| WELL                                      | STK2051517-1 | mg/L     |      |        |     | 2020-08-12 | 280    |                |             |
| <b>Turbidity</b>                          |              | NTU      |      | 5      | n/a |            |        | 0.10           | 0.10 - 0.10 |
| WELL                                      | STK2350402-1 | NTU      |      |        |     | 2023-08-03 | 0.10   |                |             |

| UNREGULATED CONTAMINANTS |              |       |      |        |     |            |        |                |           |
|--------------------------|--------------|-------|------|--------|-----|------------|--------|----------------|-----------|
|                          |              | Units | MCLG | CA-MCL | PHG | Sampled    | Result | Avg. Result(a) | Range (b) |
| <b>Boron</b>             |              | mg/L  |      | NS     | n/a |            |        | 0.2            | 0.2 - 0.2 |
| WELL                     | STK2051517-1 | mg/L  |      |        |     | 2020-08-12 | 0.2    |                |           |
| <b>Vanadium</b>          |              | ug/L  |      | NS     | n/a |            |        | 29             | 29 - 29   |
| WELL                     | STK2350402-1 | ug/L  |      |        |     | 2023-08-03 | 29     |                |           |

| ADDITIONAL DETECTIONS |              |       |      |        |     |            |        |                |           |
|-----------------------|--------------|-------|------|--------|-----|------------|--------|----------------|-----------|
|                       |              | Units | MCLG | CA-MCL | PHG | Sampled    | Result | Avg. Result(a) | Range (b) |
| <b>Calcium</b>        |              | mg/L  |      |        | n/a |            |        | 20             | 20 - 20   |
| WELL                  | STK2051517-1 | mg/L  |      |        |     | 2020-08-12 | 20     |                |           |
| <b>Magnesium</b>      |              | mg/L  |      |        | n/a |            |        | 8              | 8 - 8     |
| WELL                  | STK2051517-1 | mg/L  |      |        |     | 2020-08-12 | 8      |                |           |
| <b>pH</b>             |              | units |      |        | n/a |            |        | 8.0            | 8.0 - 8.0 |
| WELL                  | STK2051517-1 | units |      |        |     | 2020-08-12 | 8.0    |                |           |
| <b>Alkalinity</b>     |              | mg/L  |      |        | n/a |            |        | 120            | 120 - 120 |
| WELL                  | STK2051517-1 | mg/L  |      |        |     | 2020-08-12 | 120    |                |           |

|                             |              |  |  |  |     |            |       |               |
|-----------------------------|--------------|--|--|--|-----|------------|-------|---------------|
| <b>Aggressiveness Index</b> |              |  |  |  | n/a |            | 11.8  | 11.8 - 11.8   |
| WELL                        | STK2051517-1 |  |  |  |     | 2020-08-12 | 11.8  |               |
| <b>Langelier Index</b>      |              |  |  |  | n/a |            | -0.06 | -0.06 - -0.06 |
| WELL                        | STK2051517-1 |  |  |  |     | 2020-08-12 | -0.06 |               |

# Kiernan Business Center

## CCR Login Linkage - 2023

| FGL Code        | Lab ID       | Date_Sampled | Method          | Description | Property                 |
|-----------------|--------------|--------------|-----------------|-------------|--------------------------|
| #648            | STK2152198-5 | 2021-08-24   | Metals, Total   | #648        | Lead & Copper Monitoring |
| #660            | STK2152198-4 | 2021-08-24   | Metals, Total   | #660        | Lead & Copper Monitoring |
| #664            | STK2152198-3 | 2021-08-24   | Metals, Total   | #664        | Lead & Copper Monitoring |
| #668            | STK2152198-2 | 2021-08-24   | Metals, Total   | #668        | Lead & Copper Monitoring |
| #696            | STK2152198-1 | 2021-08-24   | Metals, Total   | #696        | Lead & Copper Monitoring |
| NW HB of Buildi | STK2330051-1 | 2023-01-06   | Coliform        | NW BLDG Xbh | Routine Bacti - Odd      |
|                 | STK2333014-1 | 2023-03-08   | Coliform        | NW BLDG Xbh | Routine Bacti - Odd      |
|                 | STK2335501-1 | 2023-05-03   | Coliform        | NW BLDG Xbh | Routine Bacti - Odd      |
|                 | STK2339370-1 | 2023-07-18   | Coliform        | NW BLDG Xbh | Routine Bacti - Odd      |
|                 | STK2352707-1 | 2023-09-19   | Coliform        | NW BLDG Xbh | Routine Bacti - Odd      |
|                 | STK2355686-1 | 2023-11-14   | Coliform        | NW BLDG Xbh | Routine Bacti - Odd      |
| S.E. HB of Buil | STK2331662-1 | 2023-02-09   | Coliform        | SE BLDG Xbh | Routine Bacti - Even     |
|                 | STK2334239-1 | 2023-04-11   | Coliform        | SE BLDG Xbh | Routine Bacti - Even     |
|                 | STK2336908-1 | 2023-06-02   | Coliform        | SE BLDG Xbh | Routine Bacti - Even     |
|                 | STK2350403-1 | 2023-08-03   | Coliform        | SE BLDG Xbh | Routine Bacti - Even     |
|                 | STK2353616-1 | 2023-10-04   | Coliform        | SE BLDG Xbh | Routine Bacti - Even     |
|                 | STK2356807-1 | 2023-12-12   | Coliform        | SE BLDG Xbh | Routine Bacti - Even     |
| Well            | STK2051517-1 | 2020-08-12   | General Mineral | WELL        | Water Quality Monitoring |
|                 | STK2250857-1 | 2022-08-04   | Wet Chemistry   | WELL        | Water Quality Monitoring |
|                 | STK2331661-1 | 2023-02-09   | SRL 524M-TCP    | WELL        | TCP Monitoring           |
|                 | STK2335500-1 | 2023-05-03   | SRL 524M-TCP    | WELL        | TCP Monitoring           |
|                 | STK2350315-1 | 2023-08-03   | SRL 524M-TCP    | WELL        | TCP Monitoring           |
|                 | STK2350402-1 | 2023-08-03   | Metals, Total   | WELL        | Water Quality Monitoring |
|                 | STK2350402-1 | 2023-08-03   | Wet Chemistry   | WELL        | Water Quality Monitoring |
|                 | STK2355685-1 | 2023-11-14   | SRL 524M-TCP    | WELL        | TCP Monitoring           |