

**TABLE I: PRIMARY STANDARDS AND UNREGULATED CONTAMINANTS**

| Constituent                                                                              | MCL | PHG   | Range of Detection | Average | Meets Standards | Year(s) Sampled | Typical Source of Contaminant                                                                               |
|------------------------------------------------------------------------------------------|-----|-------|--------------------|---------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------------|
| <b>Volatile Organic Contaminants</b>                                                     |     |       |                    |         |                 |                 |                                                                                                             |
| 1,1-Dichloroethylene (DCE) (ppb)                                                         | 6   | 10    | -                  | 1.20    | YES             | 2019            | Discharge from industrial chemical factories                                                                |
| Tetrachloroethylene (PCE) (ppb)                                                          | 5   | 0.6   | -                  | 4.3     | YES             | 2019            | Discharge from factories, dry cleaners, and auto shops (metal degreaser)                                    |
| <b>Synthetic Organic Contaminants Including Pesticides, Insecticides, and Herbicides</b> |     |       |                    |         |                 |                 |                                                                                                             |
| Dibromochloropropane (DBCP) (ppt)                                                        | 200 | 1.7   | -                  | 20      | YES             | 2019            | Runoff/leaching from former use of nematocides on soybeans, cotton, vineyards, tomatoes, and tree fruit     |
| <b>Inorganic Contaminants</b>                                                            |     |       |                    |         |                 |                 |                                                                                                             |
| Arsenic (ppb)                                                                            | 10  | 0.004 | -                  | 2.9     | YES             | 2017            | Erosion of natural deposits                                                                                 |
| Barium (ppm)                                                                             | 1   | 2     | -                  | 0.23    | YES             | 2017            | Erosion of natural deposits                                                                                 |
| Fluoride (ppm)                                                                           | 2   | 1     | -                  | 0.3     | YES             | 2017            | Erosion of natural deposits                                                                                 |
| Nitrate (ppm)                                                                            | 10  | 10    | -                  | 7.9     | YES             | 2019            | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |

**NITRATE:** Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women.

**Radionuclides**

|                     |    |      |      |       |      |     |      |                                                                                             |
|---------------------|----|------|------|-------|------|-----|------|---------------------------------------------------------------------------------------------|
| Gross Alpha (pCi/L) | 15 | -    | 0.61 | 16.10 | 4.77 | YES | 2019 | Erosion of natural deposits-One sample above MCL- meets standards on running annual average |
| Uranium (pCi/L)     | 20 | 0.43 | 1.28 | 6.49  | 3.34 | YES | 2019 | Erosion of natural deposits                                                                 |

**Disinfection Byproducts, Disinfectant Residuals and Disinfection Precursors**

|                                    |    |     |     |      |      |     |      |                                          |
|------------------------------------|----|-----|-----|------|------|-----|------|------------------------------------------|
| Total Trihalomethanes (TTHM) (ppb) | 80 | N/A | -   | 9.0  | 6.00 | YES | 2019 | Byproduct of drinking water chlorination |
| Chlorine (ppm)                     | 4  | 4   | 0.4 | 0.47 | 0.45 | YES | 2019 | Disinfectant added for treatment         |

**TABLE II: MICRO BIOLOGICAL CONTAMINANTS (2017)**

| Constituent             | MCL                                         | MCLG/PHG | Sampling Frequency | Meets Standards | Amount Detected | Possible Source                      |
|-------------------------|---------------------------------------------|----------|--------------------|-----------------|-----------------|--------------------------------------|
| Total Coliform Bacteria | Presence in more than 5% of monthly samples | 0        | 18-19 samples/week | YES             | 1               | Naturally present in the environment |

**COLIFORMS** are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful bacteria may be present. If a representative system sample tests present for Coliforms, the sample is then retested. The sample is retaken up-stream, down-stream, and at the original system location to confirm and/or identify initial result. If the result remains present, a notification process is implemented and the affected area will be flushed and resampled until Bacteria Coliform sample results are absent.

**TABLE III: LEAD AND COPPER (2019)**

| Constituent  | MCLG | Action Level (AL) | 90th Percentile Level Detected | Meets Standards | Sites Exceeding AL | Samples Collected | Possible Source                                                                     |
|--------------|------|-------------------|--------------------------------|-----------------|--------------------|-------------------|-------------------------------------------------------------------------------------|
| Lead (ppb)   | 0.2  | 15                | 0.01                           | YES             | 0                  | 35                | Internal corrosion of household water plumbing systems; erosion of natural deposits |
| Copper (ppm) | 0.3  | 1.3               | 0.2                            | YES             | 0                  | 35                |                                                                                     |

**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 Porterville 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>.

**TABLE IV: SECONDARY STANDARDS - AESTHETIC STANDARDS**

| Constituent                                  | MCL   | Range of Detection | Average | Meets Standards | Year(s) Sampled |
|----------------------------------------------|-------|--------------------|---------|-----------------|-----------------|
| Chloride (Cl) (ppm)                          | 500   | 6                  | 31      | 13.64           | YES             |
| Color (units)                                | 15    | 1                  | 3       | 1.38            | YES             |
| Sodium (ppm)                                 | N/A   | 11                 | 41      | 22.18           | YES             |
| Specific Conductance (micromhos)             | 1,600 | 238                | 543     | 375.53          | YES             |
| Sulfate (SO <sub>4</sub> ) (ppm)             | 500   | 7                  | 21      | 12.73           | YES             |
| Total Dissolved Solids (TDS) (ppm)           | 1,000 | 140                | 347     | 224.24          | YES             |
| Total Hardness as (CaCO <sub>3</sub> ) (ppm) | N/A   | 80                 | 210     | 131.76          | YES             |
| Turbidity (Lab) (units)                      | 5     | 0                  | 4.8     | 0.86            | YES             |

**To Do List:**

- ☒ Turn sprinklers off
- ☒ Mulch around trees
- ☐ Fix leaky toilet

*J. California*

**Porterville's Water Conservation Plan**

The City of Porterville has a five-phase water conservation plan in place to help conserve water resources during times of drought. Each phase has specific regulations in place to help maintain the city's water supply. It is important to be aware of the current phase the city is observing so that our joint water conservation efforts can be more effective. Visit [www.ci.porterville.ca.us](http://www.ci.porterville.ca.us) to learn more about our current water conservation phase.



**IMPORTANT REMINDER FOR AQUARIUM OWNERS AND HOME DIALYSIS PATIENTS**

To meet USEPA regulations the water supply will contain chlorine. Residents with aquariums or fish ponds should remove the chlorine with water conditioning chemicals or granular activated carbon. Contact your local tropical fish store to determine the best water treatment for your fish. If you are receiving kidney dialysis treatment, please contact your doctor or dialysis technician to be sure that the equipment is adequately removing the chlorine.

**OTHER PRECAUTIONS THE PUBLIC SHOULD CONSIDER**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-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 (800) 426-4791.

**DEFINITIONS:**

**0** – Indicates a value less than the detection reporting level

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

**MCL - Maximum Contaminant Level** - 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.

**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 are set by the U.S. Environmental Protection Agency (USEPA).

**ND – Non-Detected** – constituent not detectable in test sample

**PCU/l** – Picocuries per liter

**ppm/b/t** – Parts Per Million / Billion / Trillion

**Primary Drinking Water Standard** - Primary MCLs, specific treatment techniques adopted in lieu of primary MCLs, and monitoring and reporting requirements for MCLs that are specific in regulations.

**PHG - Public Health Goal** - 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.

**Range of Detection** – the highest (maximum) and lowest (minimum) level of contamination detected in a sample set (a group of samples accompanied by a suite of properties that describe shared characteristics of all samples in the group)

In order to ensure that tap water meets standards, USEPA and the State Water Resources Control Board 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. The City of Porterville tests its water at each well site and at numerous locations throughout the distribution system on a regular basis in order to comply with all state and federal standards.

City of Porterville water comes from 37 municipal water wells located throughout the city. Before being pumped into the distribution system, a disinfectant is added to the water to protect you from potential microbial contaminants.

An assessment of all the drinking water sources for the City of Porterville was completed in November of 2017. Of the 37 wells, six have been determined to be vulnerable to PCE contamination, and seven have been determined to be vulnerable to nitrate contamination, and one vulnerable to DBCP contamination; however, none of these constituents have been detected at concentrations over the drinking water standards. A copy of the complete assessment is available at the City Corporation yard, 555 N. Prospect Street.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. For additional water quality data, please contact David Payne at 782-7518. Your concerns can also be addressed to the Porterville City Council. Meetings are held at 6:30 p.m. on the first and third Tuesdays of each month at City Hall, 291 N. Main Street. Council sessions are open to the public. Property owners, with any type of tenants, please make copies of this report and distribute them to your tenants and/or post on your community board if available.

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; inorganic contaminants such as salts and metals; pesticides and herbicides that may come from a variety of sources; organic chemical contaminants, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and radioactive contaminants that can be naturally occurring.

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 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 (800) 426-4791.

**Akin Water Co.**  
**642 E. Henderson**  
**Porterville, CA 93257**

**CONSUMER**  
**CONFIDENCE**  
**REPORT**

**CITY OF PORTERVILLE**  
**FOR PERIOD 01/01/2019 TO 12/31/2019**

**Akin Water Co.**  
**642 E. Henderson**  
**Porterville, CA 93257**

**ENGLISH**

*Este informe contiene información muy importante sobre su agua potable de beber. Traduzca este informe o si tiene preguntas, pueden hablar con Bertha Yorbrough al (559) 782-7518.*



Field Services Division  
Public Works Department  
Water Utilities  
555 N. Prospect St.  
Porterville, CA 93257  
Phone: (559) 782-7514