

2015 Consumer Confidence Report

Water System Name: Seville Water Company Report Date: June 17, 2016

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, 2015 and may include earlier monitoring data.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien. Para más información favor de comunicarse con Andres Perez en (559) 624-7191

Type of water source(s) in use: Groundwater Wells

Name & general location of source(s): Two wells located on the west side of Road 156 and South of Seville Avenue

Drinking Water Source Assessment information: A source assessment was done in September of 2002, . A copy of the 2002 source assessment is attached.

Time and place of regularly scheduled board meetings for public participation: Every Tuesday at 9:00 a.m. at the Tulare County Board of Supervisors – 2800 West Burrell Ave, Visalia CA

For more information, contact: Andres Perez, Engineer II Phone: (559) 624-7191

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 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.

Variations and Exemptions: State Board 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 (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 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 Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, 7, and 8 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.

| TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA | | | | | |
|---|---------------------------|----------------------------|--|------|---|
| Microbiological Contaminants (complete if bacteria detected) | Highest No. of Detections | No. of months in violation | MCL | MCLG | Typical Source of Bacteria |
| Total Coliform Bacteria | (In a mo.) 1* | 1 | More than 1 sample in a month with a detection | 0 | Naturally present in the environment |
| Fecal Coliform or <i>E. coli</i> | (In the year) <u>0</u> | 0 | A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i> | 0 | Human and animal fecal waste |
| Chlorine (ppm) | Range 0.54-2.2 | Average 1.55 | MRDL = 4 (as CL2) | N/A | Some people who use water containing chlorine in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort. |

| TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER | | | | | | | |
|---|-------------|--------------------------|--|------------------------|----|-----|---|
| Lead and Copper (complete if lead or copper detected in the last sample set) | Sample Date | No. of samples collected | 90 th percentile level detected | No. sites exceeding AL | AL | PHG | Typical Source of Contaminant |
| Lead (ppb) | 6-26-2015 | 5 | 1.6 | 0 | 15 | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |

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) | 8-8-2014 | 31 | 31 | none | none | Salt present in the water and is generally naturally occurring |
| Hardness (ppm) | 12/21/2015 | 160 | 120-160 | none | none | Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring |

*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

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 |
|--|---|----------------|---------------------|---------------|--------------------------|---|
| Aluminum (ppm) | 8/18/2014 | 0.24 | 2.0 | 1.0 | 0.6 | Erosion of natural deposits; residue from some surface water treatment processes |
| Arsenic (ppb) | 8/18/2014 | 1.2 | 1.2 | 10 | 0.004 | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes |
| Asbestos (MFL) | 8/18/2014 | 0.2 | 0.2 | 7 | 7 | Internal corrosion of asbestos in cement water mains; erosion of natural deposits |
| Barium (ppm) | 8/18/2014 | 0.65 | 0.65 | 1 | 2 | Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits. |
| Fluoride (ppm) | 8/18/2014 | 0.13 | 0.13 | 2.0 | 1 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Hexavalent Chromium (ppb) | 02-23-2015 | 0.38 | 0.38 | 10 | 0.02 | Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits |
| Gross Alpha (pCi/L) | 7-31-2015 | 2.5 | 2.5 | 15 | (0) | Erosion of natural deposits |
| Nitrate as N (ppm) | 1-5-2015 to 12-21-2015 -Sampled monthly -Multiple sample dates | 6.6 | 2.2-9.3 | 10 | 10 | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |
| Total Trihalomethanes (TTHMs)(ppb) | 7-24-2015 | 29 | 29 | 80 | N/A | By-product of drinking water chlorination |
| Total Halocetic Acids (ppb) | 7-24-2015 | 5.3 | 5.3 | 60 | N/A | By-product of drinking water disinfection |

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) | 8/18/2014 | 15 | 15 | 550 | N/A | Runoff/leaching from natural deposits; seawater influence |

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|------------------------------|-----------|------------|-------|------|-----|---|
| Color (Units) | 8/18/2014 | 5.0 | 5.0 | 15 | N/A | Naturally-occurring organic materials |
| Iron (ppb) | 8/18/2014 | 200 | 200 | 300 | N/A | Leaching from natural deposits; industrial waste |
| Specific Conductance (uS/cm) | 8/18/2014 | 440 | 440 | 1600 | N/A | Substances that form ions when in water; seawater influence |
| Sulfate (ppm) | 8/18/2014 | 23 | 23 | 500 | N/A | Runoff/leaching from natural deposits; industrial wastes |
| Threshold odor(Units) | 8/18/2014 | 2.0 | 2.0 | 3.0 | N/A | Naturally-occurring organic materials |
| Total dissolved solids (ppm) | 8/18/2014 | 330 | 330 | 1000 | N/A | Runoff/leaching from natural deposits |
| Turbidity (Units) | 8/18/2014 | 16* | 16 | 5 | N/A | Soil runoff |
| Zinc (ppm) | 8/18/2014 | 0.040 | 0.040 | 5.0 | N/A | Runoff/leaching from natural deposits; industrial wastes |

TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | Notification Level | Health Effects Language |
|--|-------------|----------------|---------------------|--------------------|-------------------------|
| | | | | | |

*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).

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity.

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 service lines and home plumbing. The Seville Water Company 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 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 or at <http://www.epa.gov/lead>.

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

| VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT | | | | |
|---|---|--------------------------|--|--|
| Violation | Explanation | Duration | Actions Taken to Correct the Violation | Health Effects Language |
| Total Coliform Bacteria | Coliform was detected on November 5 th | 11/05/2015 to 11/09/2015 | The well and distribution system was chlorinated to obtain decontamination. Follow-up sampling confirmed the absence of bacteria following contamination | Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. No fecal coliforms were found. |
| Aluminum | Aluminum level test in excess of MCL | Since 8/18/2014 | Aluminum levels are being monitored next test scheduled for 2017 | Some people who drink water containing aluminum in excess of the MCL over many years may experience short-term gastrointestinal tract effects. |
| Turbidity | Turbidity level test in excess of MCL. New Well 2 was recently constructed. Some new wells have initial turbidity issues but go away as the well is fully developed. | Since 8/18/2014 | Turbidity levels are being monitored next test scheduled for 2017 | Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. |

For Water Systems Providing Ground Water as a Source of Drinking Water

**TABLE 7 – SAMPLING RESULTS SHOWING
FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES**

| Microbiological Contaminants (complete if fecal-indicator detected) | Total No. of Detections | Sample Dates | MCL [MRDL] | PHG (MCLG) [MRDLG] | Typical Source of Contaminant |
|---|------------------------------------|-------------------------|-----------------------|-----------------------------------|--------------------------------------|
| <i>E. coli</i> | (In the year) 0 | | 0 | (0) | Human and animal fecal waste |
| Enterococci | (In the year) 0 | | TT | n/a | Human and animal fecal waste |
| Coliphage | (In the year) 0 | | TT | n/a | Human and animal fecal waste |

**Summary Information for Fecal Indicator-Positive Ground Water Source Samples,
Uncorrected Significant Deficiencies, or Ground Water TT**

SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE

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SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES

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VIOLATION OF GROUND WATER TT

| TT Violation | Explanation | Duration | Actions Taken to Correct the Violation | Health Effects Language |
|---------------------|--------------------|-----------------|---|------------------------------------|
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