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Sweetwater Springs Water District 2021 Consumer Confidence Report Monte Rio

Board of Directors

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Monthly Board meetings are held the first Thursday of every month.

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Dear Sweetwater Springs Customer:

Water quality is an important issue with us. Providing water that meets state and federal drinking water standards is our Number 1 priority. The District provides water quality information each year to customers in conformance with these state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2021

The District's water is supplied by two groundwater wells (#4, #5) located in Monte Rio. A source water assessment was completed for both wells in April 2005. These sources are considered most vulnerable to high density septic systems not associated with any detected contaminants. You can obtain a summary of the assessment at our office at 17081 Hwy. 116, Ste. B, Guerneville.

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

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*, which 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, and septic systems.
- *Radioactive contaminants*, which 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, USEPA and the state 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 must 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 Department requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old. One school requested lead sampling.

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 2021 | (In a mo.) 0 | 0 | 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 2021) 0 | 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 |
| <i>E. coli</i> (Federal revised Total Coliform Rule) | (In the year 2021) 0 | 0 | (b) | 0 | Human and animal fecal waste |

(a) Two or more positive monthly samples is a violation of the MCL
 (b) 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 (to be completed only if there was a detection of lead or copper in the last sample set) | No. of samples collected | 90 th percentile level detected | No. Sites exceeding AL | AL | MCLG | No. schools requesting lead samples | Typical Source of Contaminant |
|---|--------------------------|--|------------------------|-----|------|-------------------------------------|--|
| Lead (ppb) Sample date: 2019 | 11 | <5.0 | 0 | 15 | 0.2 | 1 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits. |
| Copper (ppb) Sample date: 2019 | 11 | 0.81 | 0 | 1.3 | 0.3 | N/A | Internal corrosion of household water 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) | 2019 | 10 | 10 | none | none | Generally found in ground and surface water |
| Hardness (ppm) | 2019 | 150 | 150 | none | none | Generally found in ground and surface water |

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 | PHG (MCLG) | Typical Source of Contaminant |
|--|-------------|----------------|---------------------|-----|------------|-------------------------------|
| Gross Alpha (Radioactive) (pC/L) | 2013 | 0.57 | 0.57 | 15 | N/A (0) | Erosion of natural deposits |

| | | | | | | |
|---------------------|------|------|------|------|------------|---|
| Asbestos (MFL) | 2018 | ND | ND | 7 | 7 | Interior corrosion of asbestos mains; erosion of natural deposits |
| Barium (ppb) | 2013 | 170 | 170 | 1000 | N/A (2) | Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits |
| Fluoride (ppm) | 2013 | 0.19 | 0.19 | 2 | N/A (1) | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Arsenic (ppb) | 2019 | 2.4 | 2.4 | 10 | 0.004 | Erosion of natural deposits: Runoff from orchards, glass and electronics production wastes |
| Nitrate (as N)(ppm) | 2021 | ND | ND | 10 | N/A (45)/0 | Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |

DISINFECTION BYPRODUCTS, DISINFECTANT RESIDUALS AND DISINFECTION BYPRODUCT AND PRECURSORS IN DISTRIBUTION SYSTEM

| | | | | | | |
|------------------------------|------------|---------|-----------|----|----------|--|
| Total Trihalomethanes (PPB) | 2021 | 12.31 | 12.31 | 80 | N/A (NA) | Byproduct of drinking water chlorination |
| Total Haloacetic Acids (PPB) | 2021 | ND | ND | 60 | N/A (NA) | Byproduct of drinking water chlorination |
| Chlorine (PPM) | Daily 2021 | Avg 1.2 | 1.0 - 1.4 | 4 | 4 | Drinking water disinfectant added to treatment |

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 |
|---|-------------|----------------------|----------------------|------|------------|---|
| Color (units) | 2019 | 15 before treatment | 15 before treatment | 15 | N/A (N/A) | Naturally-occurring organic materials |
| Iron (ppb) | 2021 | ND after treatment | ND after treatment | 300 | N/A (N/A) | Leaching from natural deposits; industrial wastes |
| Manganese (ppb) | 2021 | ND after treatment | ND after treatment | 50 | N/A (N/A) | Leaching from natural deposits |
| Turbidity (units) | 2019 | 4.3 before treatment | 4.3 before treatment | 5 | N/A (N/A) | Soil runoff |
| Total Dissolved Solids (TDS) (ppm) | 2019 | 190 | 190 | 1000 | N/A (N/A) | Runoff/leaching from natural deposits |
| Specific Conductance (micromhos) | 2019 | 350 | 350 | 1600 | N/A (N/A) | Substances that form ions when in water; seawater influence |
| Chloride (ppm) | 2019 | 16.0 | 16.0 | 500 | N/A (N/A) | Runoff/leaching from natural deposits; seawater influence |
| Sulfate (ppm) | 2019 | 5.9 | 5.9 | 500 | N/A (N/A) | Runoff/leaching from natural deposits' industrial wastes |

TABLE 6 - DETECTION OF UNREGULATED CONTAMINANTS

During the last 9 years there has not been any detection of unregulated contaminants.

Additional General Information On Drinking Water

All 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).

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.

Primary Drinking Water Standards (PDWS): MCLs 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.

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)

pCi/L: picocuries per liter (a measure of radiation)

MFL: million fibers per liter

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 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).

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 which a water system must follow.

Variations and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.