

2021 Consumer Confidence Report

Water System Name: **Harris Farms/Horse Barns**

Report Date: **2021**

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, 2021 and may include earlier monitoring data.

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse HARRIS FARMS HORSE BARNs a 559-884-2859 para asistirlo en español.

Type of water source(s) in use: Surface water

Name & general location of source(s): California Aqueduct, Westlands Water District Lateral 19R 3.05

Drinking Water Source Assessment information:

The California Aqueduct is exposed to a wide variety of possible contaminants throughout its length. Of primary concern to Harris Farms/Horse Barn are those activities occurring in the Reach downstream from the San Luis Reservoir. Water entering the San Luis Reservoir and the O'Neil Forebay bring with it mixture of contaminants accumulated in passage through the Sacramento Valley, the San Joaquin Delta and the Inflow from many drainage inlets between the Delta and the Reservoir. Storm runoff and agricultural drainage inflow at many locations in this watershed could possibly reach the Aqueduct. In the O'Neil Forebay the Aqueduct water is mingled with water from the Federal Delta-Mendota Canal, which is also influenced by significant storm runoff and Agricultural drainage. Contaminates can enter the Aqueduct in the reaches of downstream of the San Luis Reservoir. Storm drainage from the east side of the Coast Range accumulates adjacent to the Aqueduct and is pumped into the aqueduct for disposal/ this drainage contains asbestos, agricultural drainage, oil field wastes and other potential chemicals from accidental spills. Westlands Water District enforces a policy that does not allow drainage water or return water off fields to reenter their delivery system. The district maintains an active Municipal and Industrial Back-Flow prevention program approved by the California Department of Health Services for those connections that require protective devices.

Time and place of regularly scheduled board meetings for public participation: Please call for appointment

For more information, contact: Jonny Hilvers- General Manager

Phone: (559)884-2859

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 (U.S. EPA).

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

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: State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

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.

ND: not detectable at testing limit

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.

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 byproducts 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 U.S. EPA 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, 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 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 an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

| Microbiological Contaminants | Highest No. of Detections | No. of Months in Violation | MCL | MCLG | Typical Source of Bacteria |
|---|---------------------------|----------------------------|----------------------------------|------|--------------------------------------|
| E. Coli | 0 | 0 | (a) | 0 | Human and animal fecal waste |
| (a) 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 samples for E-coli. | | | | | |
| TABLE 1.A. - COMPLIANCE WITH TOTAL COLIFORM MCL BETWEEN JANUARY 1, 2021 AND JUNE 30, 2021 (INCLUSIVE) | | | | | |
| Microbiological Contaminants | Highest No. of Detections | No. of Months in Violation | MCL | MCLG | Typical Source of Bacteria |
| Total Coliform Bacteria | 0 | 0 | 1 positive monthly sample (a) | 0 | Naturally present in the environment |
| Fecal Coliform and E.coli | 0 | 0 | 0 | None | Human and animal fecal waste |
| (a) For systems collecting fewer than 40 samples per month: two or more positively monthly samples is a violation of the total coliform MCL. For violation of the total coliform MCL, include potential adverse health effects, and actions taken by water system to address the violation: [Enter information] | | | | | |

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 | No. of Schools Requesting Lead Sampling | Typical Source of Contaminant |
|---|-------------|--------------------------|--|------------------------|-----|-----|---|---|
| Lead (ppb) | 2019 | 5 | 0 | 0 | 15 | 0.2 | 0 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm) | 2019 | 5 | 0 | 0 | 1.3 | 0.3 | Not applicable | 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) | 2021 | 78 | N/A | none | none | Salt present in the water and is generally naturally occurring |
| Hardness (ppm) | 2021 | 130 | N/A | none | none | Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring |

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 |
|---|-------------|----------------|---------------------|------------|--------------------|---|
| Inorganic Contaminants | | | | | | |
| Aluminum (ug/L) | 2020 | 190 | N/A | 1000 | 600 | Erosion of natural deposits; residue from some surface water treatment processes |
| Nitrate (mg/L) | 2021 | .44 | NA | 10 | 10 | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |
| Arsenic (ug/L) | 2020 | 2.4 | NA | 10 | 0.004 | Some people who drink water |
| Disinfection Byproducts, Disinfectant Residuals, and Disinfection Byproduct Precursors | | | | | | |
| Total Trihalomethanes(ug/L) | 2021 | 65 | 30-110 | 80 | N/A | Byproduct of drinking water disinfection |
| HAAs (ug/L) | 2021 | 32.8 | 26-47 | 60 | N/A | Byproduct 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 |
|--|-------------|----------------|---------------------|------|------------|---|
| Color (Units) | 2021 | 15 | N/A | 15 | N/A | Naturally-occurring organic materials |
| Odor Threshold @ 60C | 2020 | 1 | NA | 3 | NA | Naturally-occurring organic materials |
| Specific Conductance(uS/Cm) | 2021 | 640 | N/A | 1600 | N/A | Substances that form ions when in water; seawater influence |
| Iron ug/L | 2021 | 140 | N/A | 300 | NA | Leaching from natural deposits; industrial wastes |
| Aluminum (ug/l) | 2021 | 130 | NA | 1000 | N/A | Erosion of natural deposits; residual from some surface water treatment processes |
| Chloride (ppm) | 2021 | 110 | N/A | 500 | N/A | Runoff/leaching from natural deposits; seawater influence |

| | | | | | | |
|------------------------------|------|-----|-----|------|-----|---|
| Fluoride ((mg/L) | 2021 | 0.1 | N/A | 2 | 1 | Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories. |
| Sulfate (mg/L) | 2021 | 51 | N/A | 500 | N/A | Runoff/leaching from natural deposits; industrial wastes |
| Total Dissolved Solids (ppm) | 2021 | 330 | N/A | 1000 | N/A | Runoff/leaching from natural deposits |
| Turbidity (Units)* RAW | 2021 | 7.8 | N/A | 5 | N/A | Soil runoff |

TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | Notification Level | Health Effects Language |
|--|-------------|----------------|---------------------|--------------------|-------------------------|
| Calcium (mg/L) | 2021 | 26 | NA | None | None |
| Magnesium (mg/L) | 2021 | 17 | NA | None | None |
| Potassium (mg/L) | 2021 | 4.3 | NA | None | None |

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 U.S. EPA'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. U.S. EPA/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 service lines and home plumbing. Harris Farms/Horse Barns 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. [Optional: 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

For Systems Providing Surface Water as a Source of Drinking Water

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES

| Treatment Technique ^(a) (Type of approved filtration technology used) | Direct Filtration |
|--|--|
| Turbidity Performance Standards ^(b) (that must be met through the water treatment process) | Turbidity of the filtered water must: 1 – Be less than or equal to 0.3 NTU in 95% of measurements in a month. 2 – Not exceed 0.3 NTU for more than eight consecutive hours. 3 – Not exceed 0.3 NTU at any time. |
| Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1. | 100 |
| Highest single turbidity measurement during the year | 0.280 |
| Number of violations of any surface water treatment requirements | 0 |

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.