

2015 Water Quality Report

Montgomery Creek School

Here at Montgomery Creek School we strive to provide our students and staff with a safe and healthy campus, which naturally includes a fresh and dependable drinking water supply. We want you to understand the efforts we make to continually monitor our water quality and to protect our water resources.

We regularly test our 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 1st through December 31st, 2015. We were glad to be able to give our kids clean, fresh water again this past year.

As you know, California has been in the midst of a drought for the last several years. We would like all water users to take special care when following the State mandated watering restrictions. Water conservation and drought resistant landscaping are great first steps towards recovery.

Our drinking water is supplied by **Well 01 located on the school property**. This well was installed in 2014 and has not been evaluated by the State to determine if there were possible contaminating activities that might compromise the quality of the water. However, Montgomery Creek School is current on all chemical monitoring requirements from Shasta County Environmental Health.

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 storm water 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 storm water 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 storm water 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 prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Board regulations also establish limits for contaminants in

bottled water that must provide the same protection for public health.

Please note that 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.**

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).

More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline: (1-800-426-4791) or at <http://water.epa.gov/drink/standards/basicence.cfm>

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

For questions or concerns about your drinking water you may contact: **Steve Trotter**

Phone: 530- 337-6214

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) or Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA, PHGs are set by the California EPA.

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, reporting and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor or appearance of the drinking water. Contaminants with SDWS do not affect the health at the MCL.

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: Department 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 (ug/L)

ppt: parts per trillion or nanograms per liter (ng/L)

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



These tables show only the drinking water contaminants that were *detected* during the most recent sampling for each constituent. The Department of Health Services 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 MCL, MRDL, or TT is asterisked and explained below.

| Microbiological Contaminants | Highest No. of detections | No. of months in violation | MCL | MCLG | Typical Source of Bacteria |
|----------------------------------|---------------------------|----------------------------|--|------|---|
| Total Coliform Bacteria | (in a month) 2 | 1 | More than 1 sample in a month with a detection | 0 | 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. |
| Fecal Coliform or <i>E. coli</i> | (in the year) 0 | none | 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 |

| Lead and Copper | No. of samples collected | 90 th percentile level detected | No. sites exceeding AL | AL | PHG | Typical Source of Contaminant |
|--------------------------|--------------------------|--|------------------------|-----|-----|---|
| Lead (ppb) 10/27/15 | 5 | ND | none | 15 | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm) 10/27/15 | 5 | 0.032 | none | 1.3 | 0.3 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |

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. 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>.

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | MCL | PHG (MCLG) | Typical Source of Contaminant |
|---|-------------|----------------|---------------------|------|------------|---|
| Sodium (ppm) | 02/09/15 | 116 | | none | none | Generally found in ground & surface water |
| Hardness (ppm) | 02/09/15 | 8 | | none | none | Generally found in ground & surface water |

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | MCL [MRDL] | PHG (MCLG) [MRDLG] | Typical Source of Contaminant |
|---|-------------|----------------|---------------------|------------|--------------------|--|
| Total Trihalomethanes or TTHMs (ppb) | 02/09/15 | 14.9 | | 80 | none | Byproduct of drinking water disinfection |
| Gross Alpha particle activity (pCi/L) | 11/09/15 | 7.39 | | 15 | (0) | Erosion of natural deposits |
| Fluoride (ppm) | 02/09/15 | 1.52 | | 2.0 | 1 | Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories |

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | MCL | PHG (MCLG) | Typical Source of Contaminant |
|---|-------------|----------------|---------------------|------|------------|---|
| Chloride (ppm) | 02/09/15 | 8.1 | | 500 | | Runoff/leaching from natural deposits; seawater influence |
| Specific Conductivity (uS/cm) | 02/09/15 | 474 | | 1600 | | Substances that form ions in water; seawater influence |
| Sulfate (ppm) | 02/09/15 | 0.99 | | 500 | | Runoff/leaching from natural deposits; industrial wastes |
| Total Dissolved Solids (ppm) | 02/09/15 | 314 | | 1000 | | Runoff/leaching from natural deposits |
| Zinc (ppm) | 02/09/15 | 0.14 | | 5.0 | | Runoff/leaching from natural deposits; industrial wastes |

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