

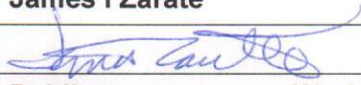
**APPENDIX F: Certification Form
Consumer Confidence Report
Certification Form**

(to be submitted with a copy of the CCR)

(To certify electronic delivery of the CCR, use the certification form on the State Water Board's website at http://www.swrcb.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml)

| | |
|----------------------|-------------------------------------|
| Water System Name: | Le Grand Community Service District |
| Water System Number: | 2410011 |

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 06/15/2020 (date) to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the State Water Resources Control Board, Division of Drinking Water.

| | | | |
|---------------|---------------|--|-------------------------|
| Certified by: | Name: | James I Zarate | |
| | Signature: |  | |
| | Title: | Public Works Superintendent | |
| | Phone Number: | (209) 389-4173 | Date: 06/15/2021 |

To summarize report delivery used and good-faith efforts taken, please complete the below by checking all items that apply and fill-in where appropriate:

- ☒ CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: _____
- ☐ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:
- ☐ Posting the CCR on the Internet at www._____
 - ☐ Mailing the CCR to postal patrons within the service area (attach zip codes used)
 - ☐ Advertising the availability of the CCR in news media (attach copy of press release)
 - ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
 - ☐ Posted the CCR in public places (attach a list of locations)
 - ☐ Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
 - ☐ Delivery to community organizations (attach a list of organizations)
 - ☐ Other (attach a list of other methods used)
- ☐ For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: www._____
- ☐ For investor-owned utilities: Delivered the CCR to the California Public Utilities Commission

This form is provided as a convenience for use to meet the certification requirement of the California Code of Regulations, section 64483(c).

2020 Consumer Confidence Report

| | | | |
|--------------------|------------------------|-------------|----------|
| Water System Name: | Le Grand C.S.D. | Report Date | 04/02/21 |
|--------------------|------------------------|-------------|----------|

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, 2020 and may include earlier monitoring data.

**Este informe contiene información muy importante sobre su agua para beber.
Favor de comunicarse Le Grand C.S.D. a (209) 389-4173 para asistirlo en español.**

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

| | |
|---------------------------------------|----------------------|
| Name & general location of source(s): | Well #1A and Well #4 |
|---------------------------------------|----------------------|

| | |
|---|--|
| Drinking Water Source Assessment information: | Completed in April of 2003 - see last page |
|---|--|

| | |
|--|--|
| Time and place of regularly scheduled board meetings for public participation: | 2 nd . Thursday of each month at 6:00pm at 13038 Jefferson St. Le Grand, CA |
|--|--|

| | | | |
|--------------------------------|-----------------|--------|----------------|
| For more information, contact: | Le Grand C.S.D. | Phone: | (209) 389-4173 |
|--------------------------------|-----------------|--------|----------------|

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.

Variances 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, stormwater runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, that are by-products of industrial 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 Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law 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 Water 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 MCL, MRDL, AL, 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 |
|--|---------------------------|----------------------------|--|------|--------------------------------------|
| Total Coliform Bacteria (State Total Coliform Rule) | (In a mo.) 0 | 0 | 1 positive monthly sample (a) | 0 | Naturally present in the environment |
| Fecal Coliform or <i>E. Coli</i> (State Total Coliform Rule) | (In the year) 0 | 0 | A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i> | None | Human and animal fecal waste |
| <i>E. coli</i> (Federal Revised Total Coliform Rule) | (In the year) 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 & Copper (and reporting units) | Sample Date | No. of Samples Collected | 90th Percentile Level Detected | No. Sites Exceeding AL | AL | PHG | No. of Schools Requesting Lead Sampling | Typical Source of Contaminant |
|-------------------------------------|-------------|--------------------------|--------------------------------|------------------------|-----|-----|---|---|
| Lead (ppb) | 08/13/19 | 10 | < 5 | 0 | 15 | 0.2 | 3 (In 2018) | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm) | 08/13/19 | 10 | 0.07 | 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 | Average Level Detected | Range of Detections | MCL | PHG (MCLG) | Typical Source of Contaminant |
|---|-------------|------------------------|---------------------|------|------------|--|
| Sodium (ppm) | 03/26/19 | 29 | 25 - 33 | None | None | Salt present in the water and is generally naturally occurring |
| Hardness (ppm) | 03/26/19 | 115 | 100 - 130 | None | None | Sum of polyvalent cations present in the water, generally magnesium and calcium, naturally occurring |

TABLE 4 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

| Chemical or Constituent (and reporting units) | Sample Date | Average Level Detected | Range of Detections | MCL [MRDL] | PHG (MCLG) [MRDLG] | Typical Source of Contaminant |
|--|----------------|------------------------------|------------------------|---------------|--------------------------|---|
| Nitrate as Nitrogen (ppm) | 12/08/20 | 0.5 | < 0.4 - 1 | 10 | 10 | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits |
| Fluoride (ppm) | 07/30/19 | 0.1 | 0.1 - 0.1 | 2 | 1 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Arsenic (ppb) | 2019 | 8 | 7 - 11* | 10 | 0.004 | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes |
| Barium (ppm) | 03/26/19 | 0.2 | 0.1 - 0.3 | 1 | 2 | Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits |

TABLE 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

| Chemical or Constituent (and reporting units) | Sample Date | Average Level Detected | Range of Detections | SMCL | PHG (MCLG) | Typical Source of Contaminant |
|--|----------------|------------------------------|------------------------|------|---------------|--|
| Total Dissolved Solids (ppm) | 07/30/19 | 205 | 200 - 210 | 1000 | N/A | Runoff/leaching from natural deposits |
| Specific Conductance (umho/cm) | 2019 | 288 | 260 - 320 | 1600 | N/A | Substances that form ions when in water; seawater influence |
| Chloride (ppm) | 07/30/19 | 6 | 6 - 6 | 500 | N/A | Runoff/leaching from natural deposits; seawater influence |
| Sulfate (ppm) | 07/30/19 | 15 | 14 - 16 | 500 | N/A | Runoff/leaching from natural deposits' industrial wastes |
| Turbidity (NTU) | 03/26/19 | 0.1 | 0.1 - 0.2 | 5 | NA | Soil runoff |

TABLE 6 - DETECTION OF ADDITIONAL CONTAMINANTS

| Chemical or Constituent (and reporting units) | Sample Date | Range of Detections | SMCL (MRDL) | Health Effects Language |
|--|----------------|------------------------|----------------|--|
| Distribution System Chlorine Residual (ppm) | 2020 | 0.2 - 0.9 | (4) | Some people who use water containing chlorine well 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. |

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.

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. Le Grand C.S.D. 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/lead>.

Summary Information for Contaminants Exceeding an MCL or AL, or a Violation of any Treatment or Monitoring and Reporting Requirements

In March of 2019, arsenic was detected at Well #4 above the maximum allowable limit (MCL). The annual average for arsenic from both wells was within the acceptable limit. Arsenic is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and other circulatory problems. Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with their circulatory system, and may have an increased risk of getting cancer. The arsenic standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic. No corrective action by the State has been required at this time.

Vulnerability Assessment Summary

A source water assessment was conducted for well #1A and well #4 of the Le Grand Community Services District water system in April of 2003. Well #1A considered most vulnerable to the following activities not associated with any detected contaminants: automobile - gas stations, and historic gas stations. A trigger report from the Water Quality Inquiry (WQI) was run and arsenic was the only constituent of concern. Although it can be from various possible contaminating activities, the arsenic is believed to be naturally occurring. It is the lead water supply well for the system. The PCA inventory indicates well #1A is most vulnerable to automobile gas stations, but there have been no confirmed detections of organic chemicals associated with this type of activity.

Well #4 is considered most vulnerable to the following activities not associated with any detected contaminants: septic systems - high density. A trigger report from the Water Quality Inquiry (WQI) was run and arsenic, iron and manganese were constituents of concern. Although it can be from various possible contaminating activities, the arsenic is believed to be naturally occurring. The PCA inventory indicates well #4 is most vulnerable to septic tank systems. The well has low nitrate levels and is the deepest well. It is the secondary system well and is operated during the high demand summer months. For more information regarding the assessment summary, contact Le Grand C.S.D. at: (209) 389-4173.