

## APPENDIX F: Certification Form (Suggested Format)

### 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](http://www.swrcb.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml))

Water System Name:	City of Livingston
Water System Number:	241004

The water system named above hereby certifies that its Consumer Confidence Report was distributed on June 29<sup>th</sup> 2021 (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:	Tony Ayina	
	Signature:	Tony Ayina	
	Title:	Public Works Superintendent	
	Phone Number:	( ) 209-394-8044	Date: 10-6-2021

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.livingstoncity.com
  - ☒ 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

Reference Manual, Appendix G  
Revised February 2021

- ☐ 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: **City of Livingston**

Report Date: 06/04/21

*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 City of Livingston (209) 394-8044 para asistirlo en español.**

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

Name & general location of source(s): Well #8, #9, #11, #12, #13, #14, #15, #16, and #17

Drinking Water Source Assessment information: Completed in September of 2002 - see last page

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

First and third Tuesday of each month at 7:00pm at 1416 C st. Livingston, CA

For more information, contact: Department of Public Works

(209) 394-8044

### 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, urban 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.



**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)	2020	3	0.6 - 9	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/l)	2018	2	< 1 - 6	15	(0)	Erosion of natural deposits
Uranium (pCi/l)	2017	6	4 - 9	20	0.4	Erosion of natural deposits
Arsenic (ppb) - At the Wells	2019-2020	12*	4 - 39*	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Arsenic (ppb) - After Treatment	2020	4	< 2 - 10	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium (ppm)	2019-2020	< 0.1	< 0.1 - 0.1	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride (ppm)	2019-2020	0.1	0.1 - 0.2	2	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Dibromochloro - propane [DBCP] (ppt)	2019-2020	13	< 10 - 80	200	1.7	Banned nematocide that may still be present in soils due to leaching from former crop use
1,2,3-Trichloropropane (ppb) - At all of the Wells	2020	0.19*	0.01* - 0.59*	0.005	0.0007	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides.
1,2,3-Trichloropropane (ppb) - At Well #8	2020	0.21*	0.19* - 0.24*	0.005	0.0007	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides.
1,2,3-Trichloropropane (ppb) - At Well #8 - After Treatment	2020	< 0.005	< 0.005 - < 0.005	0.005	0.0007	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides.

**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)	2019-2020	310	220 - 610	1000	N/A	Runoff/leaching from natural deposits
Specific Conductance (umho/cm)	2019-2020	422	290 - 510	1600	N/A	Substances that form ions when in water; seawater influence
Chloride (ppm)	2019-2020	45	7 - 81	500	N/A	Runoff/leaching from natural deposits; seawater influence



## **Summary Information for Violation of an MCL, MRDL, AL, TT, or Monitoring and Reporting Requirements**

In 2020, arsenic in the drinking water from well #13, well #16, and well #17 exceeded the maximum allowable limit of 10 parts per billion (ppb). 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, which 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 City of Livingston operates water treatment at well #13, well #16, and well #17. Water testing after the treatment at these wells confirms that the arsenic is effectively being lowered to within acceptable levels.

In 2020, 1,2,3-Trichloropropane (1,2,3-TCP) was detected in the drinking water from all nine wells above the 0.005 parts per billion (ppb) maximum allowable limit (MCL). 1,2,3-TCP is an organic chemical found in various industrial and pesticide uses. Additional testing is required to determine what corrective action will be required if it continues to be detected above the MCL. Some people who drink water containing 1,2,3-TCP in excess of the MCL over many years may have an increased risk of getting cancer, based on studies in laboratory animals.

The City of Livingston operates water treatment at well #8. Water testing after the treatment at well #8 confirms that 1,2,3-TCP is effectively being lowered to within acceptable levels.

In 2020 the City started the Well #14 & Well #16 Arsenic and TCP Renovation project. The Project consisted of adding a fourth vessel to remove Arsenic and installing eight granular activated carbon vessels to remove TCP from Well #14 and Well #16. The Arsenic renovation is complete and the TCP project will be on online by August 2021

In 2020, manganese was detected at well #17 above the allowable limit. In 2019, color was detected at well #15 above the allowable limit. The State has established the maximum allowable limits for manganese and color as secondary limits, not as primary limits. These secondary MCLs are set to protect you from unpleasant aesthetic affects such as color, taste, odor, and the staining of plumbing fixtures (e.g., tubs and sinks), and clothing while washing. A violation of these MCLs do not pose a risk to public health.

The City of Livingston operates water treatment at well #17. Water testing after the treatment at well #17 confirms that manganese is effectively being lowered to within acceptable levels.

## **Vulnerability Assessment Summary**

A Drinking Water Source Assessment was completed for the City of Livingston wells by the California Department of Public Health - Merced District in September 2002. The City's sources are considered most vulnerable to the following activities associated with contaminants detected in the water supply: parks, chemical/petroleum pipelines, lagoons/liquid wastes, machine shops, wastewater treatment plants, hardware/lumber/parts stores, crops, irrigated (berries, hops, mint, orchards, sod, greenhouses), fertilizer/pesticide/herbicide application, housing - high density (>1 house/0.5 acres), septic systems - high density (>1/acre), apartments and condominiums, crops, non-irrigated (e.g., Christmas trees, grains, grass seeds, hay), sewer collection systems, automobile - body shops, automobile - repair shops, fleet/truck/bus terminals, RV/mini storage, and schools.

The sources are also considered most vulnerable to the following activities not associated with any detected contaminants: automobiles - gas stations, historic gas stations, dry cleaners, injection wells/dry wells/sumps, septic systems - low density (<1/acre), wells - agricultural/ irrigation, agricultural drainage.

A copy of the Drinking Water Source Assessment is available at our office. This plan is an assessment of the delineated area around our listed sources through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area and a determination of the water supply's susceptibility to contamination by the identified potential sources.

If you would like to review the Drinking Water Source Assessment, contact our office at 1416 "C" Street, Livingston, California 95334, or by phone at : (209) 394-8044 during regular business hours.