

**Consumer Confidence Report
Certification Form**
(To be submitted with a copy of the CCR)

Water System Name: City of Lemoore Water System

Water System Number: 1610005

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 7/1/2019 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 Department of Public Health.

Certified by: Name: John Souza

Signature: 

Title: City Water Operator

Phone Number: (559) 924-6747

Date: 6.14.19

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: Mailed with water billing in the last week of June 2019.
- ☐ "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.lemoore.com by June 2019
 - ☐ Mailing the CCR to postal patrons with the service area (attached 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).
- ☐ For systems serving a least 100,000 persons: Posted CCR on a publicly – accessible internet site at the following address: www.
- ☐ For privately – owned utilities: Delivered the CCR to the California Public Utilities Commission

2019 CITY OF LEMOORE WATER QUALITY CONSUMER CONFIDENCE REPORT

*Este informe contiene informacion muy importante sobre su agua de beber.
Traduzcalo o hable con alguien que lo entienda bien.*

We are pleased to provide you with this year's Consumer Confidence Report (CCR) for the City of Lemoore. We want to keep you informed about the water quality and services we have delivered to you over the past year. Our goal is to provide you a safe and dependable supply of drinking water.

Water for the City of Lemoore is produced from nine groundwater wells, three in the well field north of town (Wells N-4, N-5, N-6), and six located within the City (Wells 7,10,11,12,13,14). There are also two emergency standby Wells N-2 and 9.

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, 2018 through December 31, 2018 and describes what those results mean.

The City of Lemoore Water Division routinely monitors your drinking water for approximately 120 drinking water constituents. Only the detectable constituents are shown on this CCR. The table on the last page of this newsletter shows the results of our monitoring for the latest test results as required by State and Federal Laws. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It is important to remember that the presence of these constituents does not necessarily pose a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

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, which 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 by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.
- Iron, which is a secondary standard in that it affects taste but does not have any health effects.
- 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. The City of Lemoore is responsible for providing high quality drinking water, but cannot control the variety of materials used in the 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 drinking 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>.

In order to ensure that tap water is safe to drink, USEPA and the California Department of Public Health 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.

Our water system recently failed a drinking water monitoring requirement. Although **this is not an emergency**, as our customers, you have a right to know what happened, what you should do and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. As of Oct. 1, 2013 the Stage 2 Rule went into effect, in which compliance is based on a locational running annual average (LRAA), calculated individually for each sample site.

What should I do?

You do not need to use an alternative (e.g., bottled) water supply.

This is not an immediate risk. If it had been, you would have been notified immediately. However, some people who drink water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer. If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What was done?

The TTHM monitoring has shown that our water system's locational running annual average exceeded the TTHM MCL level of 80 ug/L at four sample sites with annual running averages ranging from 122 ug/L to 160 ug/L for 2018.

* A Compliance Order has been issued. The City of Lemoore updates corrective action plan for TTHM's quarterly, until water treatment plant completion.

NOTICE OF VIOLATION NO. 03 12 19N 009 1,2,3,-Trichloropropane(1,2,3-TCP) MONITORING VIOLATION

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the calendar year 2018, we did not monitor for 1,2,3-trichloropropane from Well Nos. 7, 10, 11, 12, 13, 14, N-4, N-5, and N-6 during the 3rd calendar quarter and therefore, cannot be sure of the quality of your drinking water during that time.

What was done?

1st, 2nd and 4th quarter 2018 1,2,3-TCP samples reported ND (Non Detect).

The missed 3rd quarter 2018 1,2,3-TCP sample was taken 1st quarter 2019 and reported ND (Non Detect).

The following table is being provided to you in cooperation with the State Department of Public Health. It shows the results of tests on Lemoore's water quality and compares them with established State Standards.

How to Read the Table

Our water is tested to ensure that it is safe and healthy. The column marked "*COL (City of Lemoore) Level Detected*" shows the average test results for the latest test performed for each contaminant. Sources of likely contaminant show where this substance usually originates. "*Year Tested*" is the latest test results available as some of the testing is done on three-year and five-year rotations.

We are proud that our drinking water meets or exceeds all Federal and State Requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels.

Additional Contaminants Monitored: Data reported in this table only includes regulated contaminants for which we have measurable levels from test results. We routinely perform additional monitoring of other contaminants that could pose health concerns. We have not had any detectable levels of any of those contaminants.

Unregulated Contaminants: The City of Lemoore is not required to and did not test for Cryptosporidium. This water contaminant is not found in groundwater sources, which is where the City of Lemoore pumps 100% of its water from.

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 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).

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe, high quality and dependable water supply, we have to make adjustments or take actions that benefit all of the customers. In order to insure good clean water in all areas of the system, Water Department personnel will be flushing water lines at various times. If you have a complaint regarding water quality, please call the Water Division at 924-6744. All water delivered meets the primary drinking water standards established by the California Department of Public Health Services and the United States Environmental Protection Agency. We, at the City of Lemoore, work around the clock to provide top quality and uninterrupted supply of water to every residence and business. We ask that all our customers help us protect our precious water resources, which are the heart of our community, and our children's future. The City Council for the City of Lemoore meets on the first and third Tuesdays of each month starting at 7:30 p.m.

Sincerely,

John Souza

Public Works Utilities Manager

DEFINITIONS OF THE UNITS OF MEASUREMENT AND TERMS

Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) – The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's provide a margin of safety.

Range – Variation of levels detected in test.

Public Health Goal (PHG) – The level of a contaminant in drinking water below which there is no known or expected risk to health. PHG's are set by the California Environmental Protection Agency.

Non-Detects (ND) – Laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) – one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter (ug/l) – one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) or Nanograms per liter (nanograms/l) – one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) or Picograms per liter (picograms/l) – one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) – picocuries per liter is a measure of the radioactivity in water.

Million fibers per Liter (MFL) – million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) or (units) – nephelometric turbidity units is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Regulatory Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Not Available (NA) – No test results were found or water was not required to be tested for contaminant.

Treatment Technique (TT) – A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days.

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.

In accordance with the "Primary Drinking Water Standards", the following test result sheet lists contaminants that were detected during the most recent testing:

2019

CONSTITUENTS	YEAR	UNIT	MCL	PHG	MCLG	COL LEVEL	SOURCE OF LIKELY	
	TESTED					DETECTED	RANGE	CONTAMINANT
PRIMARY STANDARDS								
Aluminum	2017	ppb	1000	NA	NA	430	170-640	Erosion of natural deposits.
Arsenic	2018	ppb	10	NA	NA	5.9	ND-9.7	Erosion of nature & industries.
Fluoride	2017	ppm	2	1	NA	0.7	.62 - 1.1	Erosion of nature & industries.
1,2-Dichlorobenze	2015	ppb	600	600	NA	4.7		Industrial discharge
Lead	2017	ppb	15	2	NA	2.0	2	Erosion of nature & plumbing system.
SECONDARY STANDARDS								
Color	2018	Units	15	NA	NA	11.9	5.0 - 25.0	Naturally occurring organic materials
Iron	2017	ppb	300	NA	NA	17		Erosion of nature & industries.
Turbidity	2017	NTU	5	NA	NA	3.7		Erosion of natural deposits.
GENERAL MINERALS								
Bicarbonate	2018	mg/l	NA	no goal		187		Erosion of natural deposits.
Carbonate	2018	mg/l	NA	no goal		35.4		Erosion of natural deposits.
Calcium	2018	mg/l	NA	no goal		1.31		Erosion of natural deposits.
Magnesium	2018	mg/l	NA	no goal		0.11		Erosion of natural deposits.
Sodium	2018	mg/l	NA	no goal		140		Erosion of natural deposits.
Hardness	2017	mg/l	NA	no goal		3.8		Erosion of natural deposits.
PH	2017	Std	NA	no goal		9		
SECONDARY STANDARDS								
TDS	2018	ppm	1000	NA	NA	340		Erosion of natural deposits.
Specific Conductance	2015	umho/cm	1600	NA	NA	584	240-740	Substances that form ions in water
Chloride	2018	ppm	500	NA	NA	49		Erosion of natural deposits
Sulfate	2017	ppm	500	NA	NA	1.77	ND - 7.9	Erosion of natural deposits.
Manganese	2017	ppb				4	ND - 16	Erosion of natural deposits.
Copper	2015	ppb	1000			0.06	.05-.06	Erosion of natural deposits; pipe corrosion
RADIOACTIVITY								
Gross Alpha	2010-2014	pCi/L	15	no goal		7.4	3.44-16.65	Erosion of natural deposits.
Radium 226+228	2010-2013	pCi/L	5	no goal		1.16	.18-2.43	Erosion of natural deposits.
Uranium	2010-2013	pCi/L	20	no goal		3.76	1.24-5.61	Erosion of natural deposits.
UNREGULATED CONTAMINANTS								
Strontium	2015	pCi/L	NA	no goal		19		Erosion of natural deposits.
Vanadium	2015	ppb	NA	no goal		2.00		Naturally occurring elemental metal

DISTRIBUTION SYSTEM MONITORING

DISINFECTION BYPRODUCTS

Total Haloacetic acids	2018	ppb	60	NA	NA	31.5	29-43	Disinfection byproduct.
TTHMs [Total trihalomethanes]	2018	ppb	80	NA	NA	136.5	98-210	Disinfection byproduct.
* A Compliance Order has been issued. The City of Lemoore updates corrective action plan for TTHM's quarterly, until water treatment plant completion.								
Chlorine Residual Average	2018	mg/L	4	NA	NA	1.66	.1-4.0	Disinfection byproduct.
*Non-corrosive (NC)								

*Non-corrosive (NC)

Microbiological Contaminants	Highest No. of Detections	No. of months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria*	2 (in a month)	0	More than 1 sample positive	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	0 (in a year)	0		0	Human and animal fecal waste

*Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present.

When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If the standard is exceeded, the water supplier must notify the public.

Lead and Copper	Year Tested	No. of Samples Collected	90th Percentile Level Detected	No. Sites Exceeding AL	AL	MCLG	SOURCE OF LIKELY CONTAMINANT
Lead (ppb)	2017	30	ND	0	15	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits.
Copper (ppb)	2017	30	0.63	0	1300	170	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives.

CONSTITUENTS	YEAR TESTED	UNIT	MCL	PHG	MCLG	COL LEVEL DETECTED	RANGE	
1,2,3-TCP	2018	ppt	5	NA	NA	ND	ND	1,2,3- TCP is a chlorinated hydrocarbon with high chemical stability. It is a manmade chemical found at industrial or hazardous waste sites. It has been used as a cleaning and degreasing solvent and also is associated with pesticide products.
<p>*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the calendar year 2018, we did not monitor for 1,2,3-trichloropropane from Well Nos. 7, 10, 11, 12, 13, 14, N-4, N-5, and N-6 during the 3rd calendar quarter and therefore, cannot be sure of the quality of your drinking water during that time.</p>								



711 W. Cinnamon Drive • Lemoore, California 93245 • (559) 924-6735 • Fax (559) 924-6708
Public Works Department

City of Lemoore – 1610005
Consumer Confidence Report
Publication Notice Locations

1. City of Lemoore website – www.lemoore.com
2. City Hall
3. City Council Chambers front & back entries
4. Kings County Library