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:	**MUSCO FAMILY OLIVE CO**
Water System Number:	**CA3901429**

The water system named above hereby certifies that its Consumer Confidence Report was distributed on _____(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:		
	Signature:		
	Title:		
	Phone Number:	( )	Date:

To summarize report delivery used and good-faith efforts taken, please complete the form 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 customers. Those efforts included the following methods:

- ☐ Posted the CCR on the internet at http:// _____
- ☐ Mailed the CCR to postal patrons within the service area (attach zip codes used)
- ☐ Advertised the availability of the CCR in news media (attach a 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 the newspaper and date published)
- ☐ Posted the CCR in public places (attach a list of locations)
- ☐ Delivery of multiple copies of CCR to single bill 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: http://_____

☐ *For investor-owned utilities:* Delivered the CCR to the California Public Utilities Commission

(This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.)

2022 Consumer Confidence Report

Water System Name: MUSCO FAMILY OLIVE CO Report Date: March 2023

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, 2022.

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

Type of water source(s) in use: This info is not available, as this water system does not have a completed assessment on file. Please see the Drinking Water Source Assessment Information section located at the end of this report for more details.

Your water comes from 1 source(s): WELL l#1

Opportunities for public participation in decisions that affect drinking water quality: Water board or city/county council meetings are currently not regularly-scheduled. Open door policy at the Cannery allows anyone with any concerns or questions to address them directly to David Ormonde, either in person or by email.

For more information about this report, or any questions relating to your drinking water, please call 209-229-7067 and ask for David Ormonde or email DavidO@Olives.Com.

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically 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 the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

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.

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.

mg/L: milligrams per liter or parts per million (ppm)

ug/L: micrograms per liter or parts per billion (ppb)

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 if 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 USEPA and the State Water Resource Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Water Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2 and 3 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 MCL, AL or MRDL is highlighted. Additional information regarding the violation is provided later in this report.

Table 1 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (complete if lead or copper detected in last sample set)	**Sample Date**	**No. of Samples**	**90th percentile level detected**	**No. Sites Exceeding AL**	**AL**	**PHG**	**Typical Sources of Contaminant**
Copper (mg/L)	(2022)	5	0.04	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 2 - 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 Sources of Contaminant**
Arsenic (ug/L)	(2021)	10	n/a	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Hexavalent Chromium (ug/L)	(2020)	1.1	n/a		0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.
Fluoride (mg/L)	(2020)	0.6	n/a	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate as N (mg/L)	(2022)	4	n/a	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits

Selenium (ug/L)	(2022)	48	n/a	50	30	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots(feed additive)
Gross Alpha (pCi/L)	(2022)	10	5.27 - 14.4	15	(0)	Erosion of natural deposits.
Uranium (pCi/L)	(2022)	12	7.75 - 14.4	20	0.43	Erosion of natural deposits

Table 3 - DETECTION OF DISINFECTANT/DISINFECTANT BYPRODUCT RULE							
Chemical or Constituent (and reporting units)	**Sample Date**	**Average Level Detected**	**Range of Detections**	**MCL (MRDL)**	**PHG (MCLG)**	**Violation**	**Typical Sources of Contaminant**
Chlorine (mg/L)	(2020)	0.00	n/a	4.0	4.0	No	Drinking water disinfectant added for treatment.

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts if 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 USEPA'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. 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).

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 the service lines and home plumbing. *Musco Family Olive Co.* 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 Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

VIOLATION OF A MCL,MRDL,AL,TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	**Explanation**	**Duration**	**Actions Taken To Correct the Violation**	**Health Effects Language**
Arsenic				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.

About your Arsenic: For Arsenic detected above 5 ug/L (50% of the MCL) but below or equal to 10 ug/L: While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs 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 circulatory problems.

2022 Consumer Confidence Report

Drinking Water Assessment Information

Assessment Information
A Source Water Assessment has not been completed for WELL 01 of the MUSCO FAMILY OLIVE CO water system.

WELL l#1 - does not have a completed assessment on file.

Discussion of Vulnerability
Assessment summaries are not available for some sources. This is because:
 The Assessment has not been completed. Contact the local Department of Health Services (DHS) Drinking Water field office or the water system to find out when the Assessment is scheduled to be done.
 The source is not active. It may be out of service, or new and not yet in service.
 The Assessment was not submitted electronically. The site used to obtain Assessments only provides access to Assessment summaries submitted electronically.

Acquiring Information
For more info you may visit https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/DWSAP.html or contact the health department in the county to which the water system belongs as indicated on this following link: https://www.waterboards.ca.gov/drinking_water/programs/documents/ddwem/DDWdistrictofficesmap.pdf

Musco Family Olive Co.

Analytical Results By FGL - 2022

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		mg/L		1.3	.3			0.035	5
CBSS	STK2251737-7	mg/L				2022-08-16	ND		
CK	STK2251737-4	mg/L				2022-08-16	ND		
LSP	STK2251737-2	mg/L				2022-08-16	ND		
RBR	STK2251737-10	mg/L				2022-08-16	0.07		
WBR	STK2251737-8	mg/L				2022-08-16	ND		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ug/L		10	0.004			10	10 - 10
WELL l#1	STK2153151-1	ug/L				2021-09-14	10		
Hexavalent Chromium		ug/L			0.02			1.1	1.1 - 1.1
WELL l#1	STK2038223-1	ug/L				2020-06-11	1.1		
Fluoride		mg/L		2	1			0.6	0.6 - 0.6
WELL l#1	STK2038223-1	mg/L				2020-06-11	0.6		
WELL l#1	STK2038223-1	mg/L				2020-06-11	0.6		
Nitrate as N		mg/L		10	10			4.0	4.0 - 4.0
WELL l#1	STK2250873-1	mg/L				2022-08-03	4.0		
Selenium		ug/L	50	50	30			48	48 - 48
WELL l#1	STK2236111-1	ug/L				2022-05-04	48		
Gross Alpha		pCi/L		15	(0)			10.43	5.27 - 14.4
WELL l#1	STK2257252-1	pCi/L				2022-12-07	9.96		
WELL l#1	STK2252612-1	pCi/L				2022-09-07	12.1		
WELL l#1	STK2237510-1	pCi/L				2022-06-01	5.27		
WELL l#1	STK2232943-1	pCi/L				2022-03-02	14.4		
Uranium		pCi/L		20	0.43			11.51	7.75 - 14.4
WELL l#1	STK2257252-1	pCi/L				2022-12-07	14.4		
WELL l#1	STK2252612-1	pCi/L				2022-09-07	10.9		
WELL l#1	STK2237510-1	pCi/L				2022-06-01	7.75		
WELL l#1	STK2232943-1	pCi/L				2022-03-02	13.0		

DETECTION OF DISINFECTANT/DISINFECTANT BYPRODUCT RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chlorine		mg/L		4.0	4.0			0.00	ND -
Wellhead	STK2055950-5	mg/L				2020-11-11	ND		
Wellhead	STK2055099-4	mg/L				2020-10-21	ND		
Wellhead	STK2054867-5	mg/L				2020-10-19	ND		
Wellhead	STK2052959-4	mg/L				2020-09-11	ND		
Average Wellhead								0	

Musco Family Olive Co.

CCR Login Linkage - 2022

FGL Code	Lab ID	Date_Sampled	Method	Description	Property
CuPb-ss07	STK2251737-7	2022-08-16	Metals, Total	CBSS	Copper & Lead Monitoring (Cannery Break Room Sink)
CuPb-ss04	STK2251737-4	2022-08-16	Metals, Total	CK	Copper & Lead Monitoring (Cooperate Kitchen)
CuPb-ss02	STK2251737-2	2022-08-16	Metals, Total	LSP	Copper & Lead Monitoring (Lab Sink Processors)
Bacti-Rout-ss01	STK2230217-1	2022-01-06	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2231548-1	2022-02-02	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2232944-1	2022-03-02	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2234537-1	2022-04-06	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2236108-1	2022-05-04	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2237509-1	2022-06-01	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2239452-1	2022-07-08	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2250872-1	2022-08-03	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2252613-1	2022-09-07	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2254264-1	2022-10-05	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2255831-1	2022-11-04	Coliform	Office Kitchen Sink	Bacteriological Monitoring
	STK2257253-1	2022-12-07	Coliform	Office Kitchen Sink	Bacteriological Monitoring
CuPb-ss10	STK2251737-10	2022-08-16	Metals, Total	RBR	Copper & Lead Monitoring (Receiving Bathroom)
CuPb-ss08	STK2251737-8	2022-08-16	Metals, Total	WBR	Copper & Lead Monitoring (Warehouse Breakroom)
WELL 01	STK2038223-1	2020-06-11	Wet Chemistry	WELL l#1	Well #1 - Water Quality
	STK2153151-1	2021-09-14	Metals, Total	WELL l#1	Well #1 - Arsenic Monitoring
	STK2232943-1	2022-03-02	Metals, Total	WELL l#1	Radio Monitoring
	STK2232943-1	2022-03-02	Radio Chemistry	WELL l#1	Radio Monitoring
	STK2236111-1	2022-05-04	Metals, Total	WELL l#1	Well #1 - Selenium Monitoring
	STK2237510-1	2022-06-01	Metals, Total	WELL l#1	Radio Monitoring
	STK2237510-1	2022-06-01	Radio Chemistry	WELL l#1	Radio Monitoring
	STK2250873-1	2022-08-03	Wet Chemistry	WELL l#1	Water Monitoring
	STK2252612-1	2022-09-07	Radio Chemistry	WELL l#1	Radio Monitoring
	STK2252612-1	2022-09-07	Metals, Total	WELL l#1	Radio Monitoring
	STK2257252-1	2022-12-07	Radio Chemistry	WELL l#1	Radio Monitoring
	STK2257252-1	2022-12-07	Metals, Total	WELL l#1	Radio Monitoring
Bacti-Rpt-ss03	STK2052959-4	2020-09-11	Field Test	Wellhead	Repeat Bacteriological Monitoring
	STK2054867-5	2020-10-19	Field Test	Wellhead	Repeat Bacteriological Monitoring
	STK2055099-4	2020-10-21	Field Test	Wellhead	Repeat Bacteriological Monitoring
	STK2055950-5	2020-11-11	Field Test	Wellhead	Bacteriological Monitoring