

2020 Consumer Confidence Report

Water System Information

Water System Name: Mariani Nut Company

Report Date: June 14, 2021

Type of Water Source(s) in Use: Groundwater Wells 01 and 02

Name and General Location of Source(s): Sources 01 and 02 are Northwest of Building located at 30455 Buckeye Rd., Winters, CA 95694

Drinking Water Source Assessment Information: Well 01 Assessment dated 10/21/2018 and Well 02 Assessment dated 01/30/19 – both on file with Yolo County Environmental Health Division

Time and Place of Regularly Scheduled Board Meetings for Public Participation: Not applicable

For More Information, Contact: Rick Rodriguez, Director of Facilities – (530) 662-3311 ext. 252

About This Report

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 to December 31, 2020 and may include earlier monitoring data.

Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Mariani Nut Company a 30455 Buckeye Rd., Winters, CA 95694 para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 Mariani Nut Company 以获得中文的帮助: 30455 Buckeye Rd., Winters, CA 95694.

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa Mariani Nut Company - 30455 Buckeye Rd., Winters, CA 95694 para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ Mariani Nut Company tại 30455 Buckeye Rd., Winters, CA 95694 để được hỗ trợ giúp bằng tiếng Việt.

Language in Hmong: Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau Mariani Nut Company ntawm 30455 Buckeye Rd., Winters, CA 95694 rau kev pab hauv lus Askiv.

Terms Used in This Report

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.

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 (U.S. 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 and reporting requirements, and water treatment requirements.

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.

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

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.

Variances and Exemptions: Permissions from the State Water Resources Control Board (State Board) 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)

Sources of Drinking Water and Contaminants that May Be Present in Source Water

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 byproducts of 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.

Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State 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.

About Your Drinking Water Quality

Drinking Water Contaminants Detected

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 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 AL, MCL, MRDL, 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 (complete if bacteria detected)	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria (state Total Coliform Rule)	(In a month)	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	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive	blank	Human and animal fecal waste
<i>E. coli</i> (federal Revised Total Coliform Rule)	(In the year)	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 and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb)	08/25/20	5	Non-detect	0	15	0.2	N/A	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

Lead and Copper (complete if lead or copper detected in the last sample set)	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Copper (ppm)	08/25/20	5	.10	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	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	12/12/18	51.5	51-52	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	12/12/18	265	260-270	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 4. Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Aluminum – ppm	12/12/18	.1		1	0.6	Erosion of natural deposits; residue from some surface water treatment processes
Barium – ppb	12/12/18	0.175	0.15 – 0.2	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium (Total) – ppb	12/12/18	16	15 – 17	50	(100)	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride – ppm	12/12/18	0.145	ND – 0.29	2.0	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Gross Alpha Particle pCi/L	09/30/19	1.61	5.4 – 19.8	15	(0)	Erosion of natural deposits
*Nitrate (as Nitrogen, N) - ppm	12/01/20	*12.33	8.74 – 16.9	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate (as Nitrogen, N) – ppm Post Reverse Osmosis (RO) Treatment System – end user – Source 004	12/01/20	2.5		10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nickel – ppb	06/25/18	20		100	12	Erosion of natural deposits; discharge from metal factories
Radium 226 pCi/L	03/07/19	0.34		5	(0)	Erosion of natural deposits

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Uranium - pCi/L	06/04/19	1.46	1.25 – 1.66	20	0.43	Erosion of natural deposits

Table 5. Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	SMCL	PHG (MCLG)	Typical Source of Contaminant
Chloride – ppm	12/12/18	37.5	20 – 55	500		Runoff/leaching from natural deposits; seawater influence
Specific Conductance - μ S/cm	12/12/18	800	780 - 820	1,600		Substances that form ions when in water; seawater influence
Sulfate – ppm	12/12/18	46.5	34 - 59	500		Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS) - ppm	12/12/18	450	440 - 460	1,000		Runoff/leaching from natural deposits; industrial wastes
Turbidity - Units	12/12/18	0.44	0.13 – 0.75	5		Soil runoff
Zinc – ppm	12/12/18	0.45	ND – 90	5.0		Runoff leaching from natural deposits; industrial wastes

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
Boron – ppm	12/12/18	0.58	0.37 – 0.68	1 ppm	Boron exposures resulted in decreased fetal weight (developmental effects) in newborn rats.
Vanadium - ppb	05/01/18	4.35	4.1 – 4.6	50 ppb	Vanadium exposures resulted in developmental and reproductive effects in rats.

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 (1-800-426-4791).

Lead-Specific Language: 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. Mariani Nut Company 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. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*: Not applicable

Federal Revised Total Coliform Rule (RTCR): [Enter Additional Information Described in Instructions for SWS CCR Document Here]

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Violation: Nitrate in both Wells 01 and 02

Explanation: The raw source for both Well 01 and 02 exceeds the Maximum Contaminant Level (MCL) for Nitrate

Duration: 12/12/2018 through 11/30/2020

Actions Taken to Correct the Violation: Mariani Nut Co. received approval from Yolo County Environmental Health Division to operate and maintain a Nitrate reduction system (reverse osmosis (RO)-installed in November 2020) to consistently deliver water that is below the MCL for this constituent. Please see Table 7. Detection of Contaminants with a Primary Drinking Water Standard – specifically: Nitrate (as Nitrogen, N) – ppm Post RO Treatment System – end user Nitrate results are 2.5 ppm.

Health Effects Language: Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of the skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women.

For Water Systems Providing Groundwater as a Source of Drinking Water

Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples

Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<i>E. coli</i>	0	Monthly	0	(0)	Human and animal fecal waste
Enterococci	0	Monthly	TT	N/A	Human and animal fecal waste
Coliphage	0	Monthly	TT	N/A	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Groundwater Source Samples, Uncorrected Significant Deficiencies, or Violation of a Groundwater TT

Special Notice of Fecal Indicator-Positive Groundwater Source Sample: Not Applicable

Special Notice for Uncorrected Significant Deficiencies: Not Applicable

Groundwater TT Violation: Not Applicable

Explanation: Not Applicable

Duration: Not Applicable

Actions Taken to Correct the Violation: Not Applicable

Health Effects Language: Not Applicable

Summary Information for Operating Under a Variance or Exemption

Not Applicable.

Summary Information for Federal Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements*Level 1 or Level 2 Assessment Requirement not Due to an E. coli MCL Violation*

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

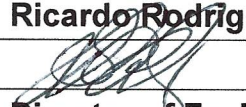
A Level 1 or Level 2 Assessment was not required for Mariani Nut Company Deli during 2020.

**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:	MARIANI NUT COMPANY
Water System Number:	5700617

The water system named above hereby certifies that its Consumer Confidence Report was distributed on June 14, 2021, 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:	Ricardo Rodriguez	
	Signature:		
	Title:	Director of Facilities	
	Phone Number:	(530) 662-3311 Ext. 252	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).

POSTED LOCATIONS
(Posted on 06/14/2021)

1. Buckeye Pump House
2. Buckeye Almond Breakroom
3. Buckeye Walnut Breakroom