

2014 Consumer Confidence Report

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JUN 29 2015

Water System Name:

Musick Heights Mutual

Report Date:

4/16 - 10/29/14

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, 2014 and may include earlier monitoring data.

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

Type of water source(s) in use:

Wells

Name & general location of source(s):

Musick Heights Mutual Water Co.

41357 KOKAWE LANE, SHARPE LAKE, CA 93664

SOUTH EAST CORNER OF LOCK AND KOKAWE

Drinking Water Source Assessment information:

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

12 NOON ON THE

LAST SATURDAY OF JUNE EVERY YEAR AT 12 NOON!

For more information, contact:

GERARD STOTTENBERG

Phone: (559) 289-9287

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.

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

Tables 1, 2, 3, 4, 5, 7, and 8 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.

Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.)	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	(In the year)	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>	0	Human and animal fecal waste

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	Typical Source of Contaminant
Lead (ppb)	NA				15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	NA				1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)				none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)				none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

2014

SAMPDATA

CLIENT	PROJECT	SAMPLE	LABSAMP	SAMPDAT	METHOD	ANALYTE	Result	RL
Musick Hei	1000059	Station#1-	AD16005-C	04/16/2014	9223/Colita	Total Colifc	Absent	
Musick Hei	1000059	Station#1-	AD16005-C	04/16/2014	9223/Colita	E. Coli	Absent	
Musick Hei	1000059	Well 1	AD16005-C	04/16/2014	EPA 300.0	Nitrate as N	ND	2.0
Musick Hei	1000059	Well 2	AD16005-C	04/16/2014	EPA 300.0	Nitrate as N	ND	2.0
Musick Hei	1000059	Well 3	AD16005-C	04/16/2014	EPA 300.0	Nitrate as N	ND	2.0
Musick Hei	1000059	Tank Site	AE23003-C	05/23/2014	9223/Colita	Total Colifc	Absent	
Musick Hei	1000059	Tank Site	AE23003-C	05/23/2014	9223/Colita	E. Coli	Absent	
Musick Hei	1000059	Tank Site	AF11004-C	06/11/2014	9223/Colita	Total Colifc	Absent	
Musick Hei	1000059	Tank Site	AF11004-C	06/11/2014	9223/Colita	E. Coli	Absent	
Musick Hei	1000059	Tank Site	AG29007-C	07/29/2014	9223/Colita	Total Colifc	Absent	
Musick Hei	1000059	Tank Site	AG29007-C	07/29/2014	9223/Colita	E. Coli	Absent	
Musick Hei	1000059	STN - Tan	AH18031-C	08/18/2014	9223/Colita	Total Colifc	Absent	
Musick Hei	1000059	STN - Tan	AH18031-C	08/18/2014	9223/Colita	E. Coli	Absent	
Musick Hei	1000059	Tank Site	AI26018-0	09/26/2014	9223/Colita	Total Colifc	Absent	
Musick Hei	1000059	Tank Site	AI26018-0	09/26/2014	9223/Colita	E. Coli	Absent	
Musick Hei	1000059	Tank Site	AJ28014-0	10/28/2014	9223/Colita	Total Colifc	Absent	
Musick Hei	1000059	Tank Site	AJ28014-0	10/28/2014	9223/Colita	E. Coli	Absent	

mg/L
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