2014 Consumer Confidence Report

Water System Name:	Naples Water Co. dba Morehart Land Co Report Date: March 17, 2015
	ter quality for many constituents as required by state and federal regulations. This report shows oring for the period of January 1 - December 31, 2014 and may include earlier monitoring data.
Este informe contiene entienda bien.	información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo
Type of water source(s)	in use: Surface Water
-	n of source(s): Lake Cachuma via Goleta West Conduit. Creek Diversion on emergency standby
Drinking Water Source request to the water con	Assessment information: Completed by Environmental Health Services and is available upon appany.
Time and place of regul	arly scheduled board meetings for public participation: No Meetings Scheduled.
For more information, c	contact: Morehart Land Co. Phone: (805) 684-4178

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.

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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.

TABLE 1 -	SAMPLING	RESULT	S SHOWI	NG THE DE	ETECTION	OF COLI	FORM 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	(In a mo.)	0		More than 1 sample in a month with a detection		0	Naturally present in the environment
Fecal Coliform or E. coli	(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
TABLE 2	- SAMPLIN	IG RESUI	TS SHOV	VING THE I	DETECTION	N OF LEA	D 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	PHG	Typical Source of Contaminant
Lead (ppb)	6/6/14	5	Non Detected	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	6/6/14	5	Non Detected	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
<u> </u>	TABLE 3	– SAMPL	ING RES	ULTS FOR	SODIUM A	AND HARD	NESS
Chemical or Constituent (and reporting units)	Sample Date	Level		Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	12/30/14	68			none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	12/30/14	340		340	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.

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TABLE 4 – DET	ECTION O	F CONTAMINA	ANTS 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
Barium	12/30/14	0.73 ppm	0.73 ppm	l ppm	2 ppm	Discharge of oil drilling wastes and from metal factories; erosion from natural deposits.
Fluoride	12/30/14	0.58 ppm	0.58 ppm	2 ppm	l ppm	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
TABLE 5 – DETE	CTION OF	CONTAMINA	NTS WITH A SI	ECONDAR	<u>Y</u> DRINKIN	G WATER STANDARD
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sulfate	12/31/14	240 ppm	240 ppm	500 ppm	500 ppm	Runoff/leaching from natural deposits; industrial wastes.
Chloride	12/30/14	36 ppm	36 ppm	500 ppm	500 ppm	Runoff/leaching from natural deposits; seawater influence.
	TABLE	6 – DETECTIO	N OF UNREGU	LATED CO	ONTAMINA	NTS
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notifica	ation Level	Health Effects Language
Boron	12/30/14	0.4 ppm	0.4 ppm	1 ppm		The babies of some pregnant women who drink water containin boron in excess of the notification level may have an increased risk o developmental effects, based on studies in laboratory animals.

^{*}Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

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 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 service lines and home plumbing. [INSERT NAME OF UTILITY] 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/safewater/lead.

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nsumer Confidence Report						
Summa	ry Informatio or Monitor					
VIOLATION OF A	MCL, MRDL, A	L, TT, OR MO	ONITORING		ORTING REQUIREMEN	T Effects
Violation	Explanation		Duration			guage
None						
For Water Sy	stems Providi	ng Ground	l Water a	s a Source	of Drinking Water	
FECA	TABLE 7 L INDICATOR-F	– SAMPLINO POSITIVE GR			CE SAMPLES	
Microbiological Contaminants (complete if fecal-indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]		
E. coli	(In the year)		0	(0)	Human and animal fecal was	te
Enterococci	(In the year)		TT	n/a	Human and animal fecal was	te
Coliphage	(In the year)		TT	n/a	Human and animal fecal was	ite

Summary Information for Fecal Indicator-Positive Ground Water Source Samples, Uncorrected Significant Deficiencies, or Ground Water TT

SPECIAL	NOTICE OF FECAL INI	DICATOR-POSITIVE G	ROUND WATER SOURCE	SAMPLE		
		, , , , , , , , , , , , , , , , , , ,				
	SPECIAL NOTICE FOR	UNCORRECTED SIGN	IFICANT DEFICIENCIES			
	, M					
VIOLATION OF GROUND WATER TT						
TT Violation	Explanation	Duration	Actions Taken to Correct the Violation	Health Effects Language		

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пзитет Сопушенсе Керо	71			Fuge 3 0			
For Sy	ystems Providing S	Surface Water as a	Source of Drinking Wa	nter			
TABLE 8 - SA	AMPLING RESULTS	SHOWING TREATME	NT OF SURFACE WATER S	OURCES			
reatment Technique (a) Type of approved filtration to	echnology used)						
		Turbidity of the f	ltered water must:				
urbidity Performance Standa		1 – Be less than o	r equal to1.0_ NTU in 95% of r	neasurements in a month			
hat must be met through the	water treatment process)	2 - Not exceed _0	0.5 NTU for more than eight con	secutive hours.			
		_	.0 NTU at any time.				
Lowest monthly percentage of Performance Standard No. 1.	f samples that met Turbidit	y 100% met all star	dards				
Highest single turbidity meas		0.095 NTU					
Number of violations of any sequirements	surface water treatment	None	None				
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