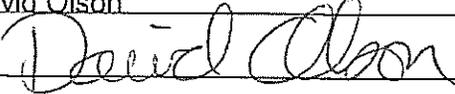


# Consumer Confidence Report Certification Form

Water System Name: **KIERNAN/MCHENRY WATER COMPANY, INC**  
Water System Number: **5000517**

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 06/24/2014 (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 Department of Public Health.

Certified By: Name David Olson  
Signature   
Title President  
Phone Number ( 209 ) 529-6802 Date 06/25/2014

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*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 method 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 www. \_\_\_\_\_

Mailed the CCR to postal patrons within the service area (attach zip codes used)

Advertised 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 the newspaper and date published)

Posted the CCR in public places (attach a list of locations) 4911 McHenry Ave  
Modesto, CA 95350

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)

For systems serving at 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

# 2013 Consumer Confidence Report

Water System Name: **KIERNAN/MCHENRY WATER  
COMPANY, INC**

Report Date: June 2014

*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, 2013*

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

**Type of water source(s) in use:** According to CDPH records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

**Your water comes from 1 source:** Well.

For more information about this report, or for any questions relating to your drinking water, please call (209) 838 - 7842 and ask for Quality Service, Inc..

## **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.

**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 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.

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

**Variations and Exemptions:** Department 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)

**umhos/cm:** micromhos per centimeter (a measure of conductivity)

**TON:** threshold odor numbers (a measure of odor)

**pCi/l:** picocuries per liter (a measure of radioactivity)

**The sources of drinking water**(both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, spring, 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.

# 2013 Consumer Confidence Report

**Contaminants that may be present in source water include:**

- *Microbial contaminants*, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- *Inorganic contaminants*, such as salts and metals, which 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*, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Radioactive contaminants*, which can be naturally occurring or the result of oil production and mining activities.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health prescribes regulations which 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.

Tables 1,2,3,4 and 5 list all of the drinking water contaminants that were detected during the most recent sampling for the constituents. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department 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 RESULTS SHOWING THE DETECTION OF LEAD AND COPPER						
Lead and Copper (complete if lead or copper detected in the last sample set)	No. of Samples Collected	90th Percentile Level	No. Site Exceeding AL	AL	PHG	Typical Sources of Contaminant
Lead (ppb)	5 (2013)	0.45	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Copper (ppm)	5 (2013)	0.079	0	1.3	.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 2 - SAMPLING RESULTS FOR SODIUM AND HARDNESS						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL (MRDL)	PHG (MCLG)	Typical Sources of Contaminant
Sodium (ppm)	(2008)	33	33 - 33	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	(2008)	53	53 - 53	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

## 2013 Consumer Confidence Report

TABLE 3 - 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 Sources of Contaminant
Arsenic (ppb)	(2012)	6.0	6 - 6	10	n/a	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Nitrate (ppm)	(2013)	12.8	12.8 - 12.8	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite as N (ppm)	(2012)	3.10	3.10 - 3.10	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Dibromochloropropane (DBCP) (ppt)	(2013)	40	40 - 40	200	1.7	Banned nematocide that may still be present in soils due to runoff/leaching from former use on soybeans, cotton, vineyards, tomatoes, and tree fruit

Any violation of MCL,AL or MRDL is shaded. Additional information regarding the violation is provided later in this report.

TABLE 4 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL (MRDL)	PHG (MCLG)	Typical Sources of Contaminant
Chloride (ppm)	(2008)	7	7 - 7	500	n/a	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (umhos/cm)	(2008)	272	272 - 272	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (ppm)	(2008)	11	11 - 11	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	(2008)	180	180 - 180	1000	n/a	Runoff/leaching from natural deposits

TABLE 5 - DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
Boron (ppm)	(2008)	0.2	0.2 - 0.2	1	The babies of some pregnant women who drink water containing boron in excess of the notification level may have an increased risk of developmental effects, based on studies in laboratory animals.
Vanadium (ppm)	(2012)	0.04	0.04 - 0.04	0.05	The babies of some pregnant women who drink water containing vanadium in excess of the action level may have an increased risk of developmental effects, based on studies in laboratory animals.

# 2013 Consumer Confidence 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 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 (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 provider. 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 (800-426-4791)

**For Lead (Pb),** 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. *KIERNAN/MCHENRY WATER COMPANY, INC* 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>.

## Summary Information for Contaminants Exceeding an MCL, MRDL, or AL, or a violation of Any Treatment Technique or Monitoring and Reporting Requirement

**About our Arsenic:** 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 the 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.

## Drinking Water Source Assessment Information

### Assessment Info

A source water assessment was conducted for the WELL of the KOENIG WATER SYSTEM water system in June, 2002.

Well - is considered most vulnerable to the following activities not associated with any detected contaminants:

- Automobile - Gas stations
- Chemical/petroleum processing/storage
- Underground storage tanks - Confirmed leaking tanks

### Discussion of Vulnerability

Recent water quality analyses indicate that this source is in compliance with State Standards. There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source.

### Acquiring Info

A copy of the complete assessment may be viewed at:

Stanislaus County, DER  
3800 Cornucopia Way, Suite C  
Modesto, CA 95358

You may request a summary of the assessment be sent to you by contacting:

John Aud  
Senior Environmental Health Specialist - Water  
(209) 525-6700

# KIERNAN/MCHENRY WATER COMPANY, INC

## Analytical Results By FGL - 2013

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
<b>Lead</b>		ppb	0	15	0.2			0.45	5
Boyett Sink	STK1338028-003	ppb				08/06/2013	0.00		
Boyett Mop Sink	STK1338028-004	ppb				08/05/2013	0.900		
TB Kitchen Sink	STK1338028-001	ppb				08/02/2013	0.00		
TB Womens Sink	STK1338028-002	ppb				08/02/2013	0.00		
Rays Carpet	STK1338028-005	ppb				08/01/2013	0.00		
<b>Copper</b>		ppm		1.3	.3			0.079	5
Boyett Sink	STK1338028-003	ppm				08/06/2013	0.0620		
Boyett Mop Sink	STK1338028-004	ppm				08/05/2013	0.0230		
TB Kitchen Sink	STK1338028-001	ppm				08/02/2013	0.00600		
TB Womens Sink	STK1338028-002	ppm				08/02/2013	0.0350		
Rays Carpet	STK1338028-005	ppm				08/01/2013	0.0950		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Sodium</b>		ppm		none	none			33	33 - 33
WELL	STK0832491-001	ppm				03/10/2008	33.0		
<b>Hardness</b>		ppm		none	none			53	53 - 53
WELL	STK0832491-001	ppm				03/10/2008	53.0		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Arsenic</b>		ppb		10	n/a			6.0	6 - 6
WELL	STK1236865-001	ppb				07/19/2012	6.00		
<b>Nitrate</b>		ppm		45	45			12.8	12.8 - 12.8
WELL	STK1332183-001	ppm				03/12/2013	12.8		
<b>Nitrate + Nitrite as N</b>		ppm		10	10			3.10	3.10 - 3.10
WELL	STK1236865-001	ppm				07/19/2012	3.10		
<b>Dibromochloropropane (DBCP)</b>		ppt		200	1.7			40	40 - 40
WELL	STK1332183-001	ppt				03/12/2013	40.0		

SECONDARY DRINKING WATER STANDARDS (SDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Chloride</b>		ppm		500				7	7 - 7
WELL	STK0832491-001	ppm				03/10/2008	7.00		
<b>Specific Conductance</b>		umhos/cm		1600				272	272 - 272
WELL	STK0832491-001	umhos/cm				03/10/2008	272		
<b>Sulfate</b>		ppm		500				11	11 - 11
WELL	STK0832491-001	ppm				03/10/2008	11.0		
<b>Total Dissolved Solids</b>		ppm		1000				180	180 - 180
WELL	STK0832491-001	ppm				03/10/2008	180		

UNREGULATED CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Boron</b>		ppm		NS				0.2	0.2 - 0.2
WELL	STK0832491-001	ppm				03/10/2008	0.200		
<b>Vanadium</b>		ppm		NS				0.04	0.04 - 0.04
WELL	STK1236865-001	ppm				07/19/2012	0.0420		

## KIERNAN/MCHENRY WATER COMPANY, INC CCR Login Linkage - 2013

FGL CODE	DATE SAMPLED	LAB ID	METHOD	DESCRIPTION	PROPERTY
Boyett Mop Sink	08/05/2013	STK1338028-004	Metals, Total	Boyett Mop Sink	Sonsinsky Water System-Cu & Pb
Boyett Sink	08/06/2013	STK1338028-003	Metals, Total	Boyett Sink	Sonsinsky Water System-Cu & Pb
HB N/Sde of Gas	04/09/2013	STK1333209-001	Coliform	Gas Station/HB North Side	Kiernan & McHenry Water System-Bacti-4
	08/13/2013	STK1338111-001	Coliform	Gas Station/HB North Side	Kiernan & McHenry Water System-Bacti-4
	12/10/2013	STK1351893-001	Coliform	Gas Station/HB North Side	Kiernan & McHenry Water System-Bacti-4
Rays Carpet	08/01/2013	STK1338028-005	Metals, Total	Rays Carpet	Sonsinsky Water System-Cu & Pb
Rays Crpt HB NS	02/12/2013	STK1331125-001	Coliform	Rays Carpets - HB North Side	Kiernan & McHenry Water System-Bacti-2
	06/11/2013	STK1335663-001	Coliform	Rays Carpets - HB North Side	Kiernan & McHenry Water System-Bacti-2
	10/16/2013	STK1350268-001	Coliform	Rays Carpets - HB North Side	Kiernan & McHenry Water System-Bacti-2
Taco Bell HB NS	03/12/2013	STK1332182-001	Coliform	Taco Bell HB North Side	Kiernan & McHenry Water System-Bacti-3
	07/09/2013	STK1336688-001	Coliform	Taco Bell HB North Side	Kiernan & McHenry Water System-Bacti-3
	11/12/2013	STK1351047-001	Coliform	Taco Bell HB North Side	Kiernan & McHenry Water System-Bacti-3
Taco Bell HB So	01/15/2013	STK1330458-001	Coliform	Taco Bell HB South Side	Kiernan & McHenry Water System-Bacti-1
	05/15/2013	STK1334587-001	Coliform	Taco Bell HB South Side	Kiernan & McHenry Water System-Bacti-1
	09/10/2013	STK1338986-001	Coliform	Taco Bell HB South Side	Kiernan & McHenry Water System-Bacti-1
Taco Bell Men R	04/12/2006	STK0632952-003	Metals, Total	Taco Bell Men RR Sink	Sonsinsky Water System-Cu & Pb
TB Kitchen Sink	08/02/2013	STK1338028-001	Metals, Total	TB Kitchen Sink	Kiernan & McHenry Water System-Cu & Pb
TB Womens Sink	08/02/2013	STK1338028-002	Metals, Total	TB Womens Sink	Sonsinsky Water System-Cu & Pb
WELL	10/23/2007	STK0750088-001	Radio Chemistry	Well	KIERNAN/MCHENRY WATER ASSOCIATION
	01/02/2008	STK0830057-001	Radio Chemistry	Well	Kiernan & McHenry Water System
	03/10/2008	STK0832491-001	EPA 505	Well	Kiernan & McHenry Water System
	03/10/2008	STK0832491-001	EPA 507	Well	Kiernan & McHenry Water System
	03/10/2008	STK0832491-001	EPA 515	Well	Kiernan & McHenry Water System
	03/10/2008	STK0832491-001	EPA 525.2	Well	Kiernan & McHenry Water System
	03/10/2008	STK0832491-001	General Mineral	Well	Kiernan & McHenry Water System
	03/10/2008	STK0832491-001	Wet Chemistry	Well	Kiernan & McHenry Water System
	04/08/2008	STK0833337-001	Radio Chemistry	Well	Kiernan & McHenry Water System
	07/15/2008	STK0836914-001	Radio Chemistry	Well	Kiernan & McHenry Water System
	09/07/2010	STK1037933-001	EPA 524.2	Well	Kiernan & McHenry - Methyl Cl
	09/13/2011	STK1137995-001	Wet Chemistry	Well	Perchlorate Monitoring
	07/19/2012	STK1236865-001	Metals, Total	Well	Kiernan & McHenry Water System
	07/19/2012	STK1236865-001	Wet Chemistry	Well	Kiernan & McHenry Water System
	03/12/2013	STK1332183-001	EPA 504.1	Well	Kiernan & McHenry Water System
03/12/2013	STK1332183-001	Wet Chemistry	Well	Kiernan & McHenry Water System	