

# Consumer Confidence Report Certification Form

Water System Name: **Cozad Water System**  
Water System Number: **3901323**

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 6-11-13 (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 William E. McClelland  
Signature William E. McClelland  
Title SAFETY DIRECTOR  
Phone Number (209) 931-3093 Date 6-11-13

=====  
*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) Kitchen and Breakroom

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

# 2012 Consumer Confidence Report

Water System Name: Cozad Water System

Report Date: June 2013

*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, 2012*

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

**Type of water sources(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 2.

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.

**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 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 ( $\mu\text{g/L}$ )

**ppt:** parts per trillion or nanograms per liter (ng/L)

**ppq:** parts per quadrillion or picograms per liter (pg/L)

**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.

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### 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 Health Services (Department) 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 and 3 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 (Pb) (ppb)	4 (2012)	5.75	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Copper (ppm)	4 (2012)	0.025	0	1.3	.17	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	Level Detected	Range of Detections	MCL (MRDL)	PHG (MCLG) [MRDLG]	Typical Sources of Contaminant
Arsenic (As) ppb	2010	2.0	2 - 2	10	n/a	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Barium (Ba) ppm	2010	0.1	0.1 - 0.1	1	2	Discharge from oil drilling wastes and from metal refineries; erosion of natural deposits
Chromium (Total Cr) ppb	2010	9	9 - 9	50.0	n/a	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits

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**TABLE 2 - 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
Nitrate (NO3) ppm	2012	7.2	7 - 7	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha pCi/L	2007	1.0	0.2 - 2	15	n/a	Erosion of natural deposits.

**TABLE 3 - DETECTION OF UNREGULATED CONTAMINANTS**

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
Vanadium ppm	2010	0.02	0.02 - 0.02 (2010)	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.

### 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. *Cozad Water System* 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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## Drinking Water Source Assessment Information

### Assessment Info

A source water assessment was conducted for the WELL #2 of the COZAD WATER SYSTEM water system in October, 2002.

Well #2 - is considered most vulnerable to the following activities not associated with any detected contaminants:

Housing - high density [>1 house/0.5 acres]

### Discussion of Vulnerability

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:

San Joaquin County

Environmental Health Department

304 E. Weber Ave, 3rd Floor

Stockton, CA 95202

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

Small Public Water Systems

SJ Co Environmental Health Department

(209) 468-3420

## Cozad Water System Analytical Results By FGL - 2012

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
<b>Lead (Pb)</b>			0	15	0.2				
Front Shop	STK1237777-002	ppb				08/10/2012	5.00	5.75	4
Machine Shop	STK1237777-004	ppb				08/10/2012	1.20		
Sample #1	STK1237777-001	ppb				08/10/2012	1.10		
Strapping Shop	STK1237777-003	ppb				08/10/2012	6.50		
<b>Copper</b>				1.3	.17			0.025	4
Front Shop	STK1237777-002	ppm				08/10/2012	0.00600		
Machine Shop	STK1237777-004	ppm				08/10/2012	0.00900		
Sample #1	STK1237777-001	ppm				08/10/2012	0.0210		
Strapping Shop	STK1237777-003	ppm				08/10/2012	0.0280		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Arsenic (As)</b>				10	n/a			2.0	2 - 2
Well 2	STK1034791-001	ppb				06/02/2010	2.00		
<b>Barium (Ba)</b>			2	1	2			0.1	0.1 - 0.1
Well 2	STK1034791-001	ppm				06/02/2010	0.0957		
<b>Chromium (Total Cr)</b>			100	50.0				9	9 - 9
Well 2	STK1034791-001	ppb				06/02/2010	9.00		
<b>Nitrate (NO3)</b>				45	45			7.2	7 - 7
Well 2	STK1233323-001	ppm				04/16/2012	7.20		
<b>Gross Alpha</b>				15				1.0	0.2 - 2
Well 2	STK0735126-001	pCi/L				06/13/2007	0.242		
Well 2	STK0732257-001	pCi/L				03/07/2007	1.77		

UNREGULATED CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
<b>Vanadium</b>				NS				0.02	0.02 - 0.02
Well 2	STK1034791-001	ppm				06/02/2010	0.0240		

## Cozad Water System CCR Login Linkage - 2012

FGL CODE	DATE SAMPLED	LAB ID	METHOD	DESCRIPTION	PROPERTY
Front Shop	08/10/2012	STK1237777-002	Metals, Total	Front Shop	Copper & Lead Monitoring
Machine Shop	08/10/2012	STK1237777-004	Metals, Total	Machine Shop	Copper & Lead Monitoring
MainOff O/S Kit	01/16/2012	STK1230529-001	Coliform	Main Office O/S Kitchen	Bacteriological Sampling-Odd
	03/20/2012	STK1232410-001	Coliform	Main Office O/S Kitchen	Bacteriological Sampling-Odd
	05/21/2012	STK1234464-001	Coliform	Main Office O/S Kitchen	Bacteriological Sampling-Odd
	07/18/2012	STK1236796-001	Coliform	Main Office O/S Kitchen	Bacteriological Sampling-Odd
	09/17/2012	STK1238824-001	Coliform	Main Office O/S Kitchen	Bacteriological Sampling-Odd
	11/20/2012	STK1250767-001	Coliform	Main Office O/S Kitchen	Bacteriological Sampling-Odd
S.T. E/S of Str	02/20/2012	STK1231561-001	Coliform	S.T. E/S of Strapping Bldg.	Bacteriological Sampling-Even
	04/16/2012	STK1233237-001	Coliform	S.T. E/S of Strapping Bldg.	Bacteriological Sampling-Even
	06/19/2012	STK1235576-001	Coliform	S.T. E/S of Strapping Bldg.	Bacteriological Sampling-Even
	08/23/2012	STK1238106-001	Coliform	S.T. E/S of Strapping Bldg.	Bacteriological Sampling-Even
	10/15/2012	STK1239732-001	Coliform	S.T. E/S of Strapping Bldg.	Bacteriological Sampling-Even
	12/19/2012	STK1251564-001	Coliform	S.T. E/S of Strapping Bldg.	Bacteriological Sampling-Even
Sample #1	08/10/2012	STK1237777-001	Metals, Total	Outside Kitchen	Copper & Lead Monitoring
Strapping Shop	08/10/2012	STK1237777-003	Metals, Total	Strapping Shop	Copper & Lead Monitoring
Well 2	03/07/2007	STK0732257-001	Radio Chemistry	Well #2	Radio Monitoring
	06/13/2007	STK0735126-001	Radio Chemistry	Well #2	Radio Monitoring
	06/02/2010	STK1034791-001	EPA 504.1	Well #2	IOC/SOC/VOC Monitoring
	06/02/2010	STK1034791-001	EPA 524.2	Well #2	IOC/SOC/VOC Monitoring
	06/02/2010	STK1034791-001	Metals, Total	Well #2	IOC/SOC/VOC Monitoring
	04/18/2011	STK1133185-001	Wet Chemistry	Well #2	Water Monitoring (3 Year)
	04/16/2012	STK1233323-001	Wet Chemistry	Well #2	Water Monitoring (3 Year)
Well#2	08/10/2012	STK1237777-005	Metals, Total	Well#2	Copper & Lead Monitoring