

Consumer Confidence Report Certification Form

Water System Name: **HESKETT, JOE WATER SYSTEM**

Water System Number: **3901474**

The water system named above hereby certifies that its Consumer Confidence Report was distributed on 6-30-14 (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 Retha A Schoch

Signature Retha A Schoch

Title Partner

Phone Number (209) 956-0188 Date 6-30-14

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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)

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: HESKETT, JOE WATER SYSTEM

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 sources(s) in use: This information is not available, please see the Drinking Water Source Assessment Information section located at the end of this report for more details.

Your water comes from 1 source: Well 01.

For more information about this report, or for any questions relating to your drinking water, please call (209) 838 - 8742 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 ($\mu\text{g/L}$)

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.

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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 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 (2012)	3.55	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers, erosion of natural deposits
Copper (ppm)	5 (2012)	0.074	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)	(2011)	44	44 - 44	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm)	(2011)	482	482 - 482	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

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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)	(2011)	3.0	3 - 3	10	n/a	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Barium (ppm)	(2011)	0.34	0.3 - 0.3	1	2	Discharge from oil drilling wastes and from metal refineries; erosion of natural deposits
Nitrate (ppm)	(2013)	32.4	27.6 - 37.8	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate + Nitrite as N (ppm)	(2011)	9.4	9.4 - 9.4	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/L)	(2008)	6.65	3.55 - 6.73	15	(0)	Erosion of natural deposits.
Uranium (pCi/L)	(2008)	5.7	4.16 - 8.61	20	0.43	Erosion of natural deposits

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)	(2011)	37	37 - 37	500	n/a	Runoff/leaching from natural deposits; seawater influence
Iron (ppb)	(2011)	80	80 - 80	300	n/a	Leaching from natural deposits; Industrial wastes
Specific Conductance (umhos/cm)	(2011)	981	981 - 981	1600	n/a	Substances that form ions when in water; seawater influence
Sulfate (ppm)	(2011)	34	34 - 34	500	n/a	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (ppm)	(2011)	620	620 - 620	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
Vanadium (ppm)	(2011)	0.02	0.02 - 0.02	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.

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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. *HESKETT, JOE 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>.

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

About our Nitrate: Nitrate in drinking water at level above 45 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Drinking Water Source Assessment Information

Assessment Info

According to the Drinking Water Source Assessment and Protection Program's Source Water Assessments Public Access web page, the Public Water Source WELL 01 of the JOE HESKETT WATER SYSTEM water system number 3901474, does not have a completed Source Water Assessment on file.

Discussion of Vulnerability

Assessment summaries are not available for some sources. This is because:

- The Assessment has not been completed. Contact the local Department of Health Services (DHS) Drinking Water field office or the water system to find out when the Assessment is scheduled to be done.
- The source is not active. It may be out of service, or new and not yet in service.
- The Assessment was not submitted electronically. The site used to obtain Assessments only provides access to Assessment summaries submitted electronically.

Acquiring Info

For more info you may visit <http://swap.ice.ucdavis.edu/TSinfo/TSintro.asp> or contact the health department in the county to which the water system belongs.

HESKETT, JOE WATER SYSTEM Analytical Results By FGL - 2013

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Lead		ppb	0	15	0.2				
3967	STK1237141-001	ppb				07/19/2012	1.10	3.55	5
3975	STK1237141-002	ppb				07/19/2012	1.30		
3977	STK1237141-005	ppb				07/19/2012	5.60		
3981	STK1237141-003	ppb				07/19/2012	1.50		
3987	STK1237141-004	ppb				07/19/2012	0.300		
Copper		ppm		1.3	.3			0.074	5
3967	STK1237141-001	ppm				07/19/2012	0.0170		
3975	STK1237141-002	ppm				07/19/2012	0.0300		
3977	STK1237141-005	ppm				07/19/2012	0.0970		
3981	STK1237141-003	ppm				07/19/2012	0.0510		
3987	STK1237141-004	ppm				07/19/2012	0.00900		

SAMPLING RESULTS FOR SODIUM AND HARDNESS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Sodium		ppm		none	none			44	44 - 44
Well 01	STK1132212-001	ppm				03/16/2011	44.0		
Hardness		ppm		none	none			482	482 - 482
Well 01	STK1132212-001	ppm				03/16/2011	482		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ppb		10	n/a			3.0	3 - 3
Well 01	STK1132212-001	ppb				03/16/2011	3.00		
Barium		ppm	2	1	2			0.34	0.3 - 0.3
Well 01	STK1132212-001	ppm				03/16/2011	0.344		
Nitrate		ppm		45	45			32.4	27.6 - 37.8
Well 01	STK1352059-001	ppm				12/16/2013	27.6		
Well 01	STK1339229-001	ppm				09/17/2013	28.7		
Well 01	STK1335918-001	ppm				06/18/2013	37.8		
Well 01	STK1332336-001	ppm				03/18/2013	35.8		
Nitrate + Nitrite as N		ppm		10	10			9.4	9.4 - 9.4
Well 01	STK1132212-001	ppm				03/16/2011	9.40		
Gross Alpha		pCi/L		15	(0)			6.65	3.55 - 6.73
Well 01	STK0852442-001	pCi/L				12/11/2008	5.72		
Well 01	STK0839302-001	pCi/L				09/12/2008	6.73		
Well 01	STK0835801-001	pCi/L				06/10/2008	3.55		
Well 01	STK0832895-001	pCi/L				03/21/2008	4.88		
Uranium		pCi/L		20	0.43			5.7	4.16 - 8.61
Well 01	STK0852442-001	pCi/L				12/11/2008	8.61		
Well 01	STK0839302-001	pCi/L				09/12/2008	4.16		
Well 01	STK0832895-001	pCi/L				03/21/2008	4.25		

SECONDARY DRINKING WATER STANDARDS (SDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Chloride		ppm		500				37	37 - 37
Well 01	STK1132212-001	ppm				03/16/2011	37.0		
Iron		ppb		300				80	80 - 80
Well 01	STK1132212-001	ppb				03/16/2011	80.0		
Specific Conductance		umhos/cm		1600				981	981 - 981
Well 01	STK1132212-001	umhos/cm				03/16/2011	981		
Sulfate		ppm		500				34	34 - 34
Well 01	STK1132212-001	ppm				03/16/2011	34.0		

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Analytical Results By FGL - 2013

SECONDARY DRINKING WATER STANDARDS (SDWS)									
	Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)	
Total Dissolved Solids	ppm		1000				620	620 - 620	
Well 01 STK1132212-001	ppm				03/16/2011	620			

UNREGULATED CONTAMINANTS									
	Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)	
Vanadium	ppm		NS				0.02	0.02 - 0.02	
Well 01 STK1132212-001	ppm				03/16/2011	0.0210			

HESKETT, JOE WATER SYSTEM CCR Login Linkage - 2013

FGL CODE	DATE SAMPLED	LAB ID	METHOD	DESCRIPTION	PROPERTY
3967	07/19/2012	STK1237141-001	Metals, Total	3967	Copper & Lead Monitoring
3975	07/19/2012	STK1237141-002	Metals, Total	3975	Copper & Lead Monitoring
3977	07/19/2012	STK1237141-005	Metals, Total	3977	Copper & Lead Monitoring
3981	07/19/2012	STK1237141-003	Metals, Total	3981	Copper & Lead Monitoring
3987	07/19/2012	STK1237141-004	Metals, Total	3987	Copper & Lead Monitoring
HB@PressTank	11/13/2013	STK1351168-002	Coliform	HB @ Pressure Tank	Bacti Monitoring
HBSS 3979	01/22/2013	STK1330611-001	Coliform	HBSS 3979	Water System Monitoring-Odd
	03/18/2013	STK1332335-001	Coliform	HBSS 3979	Water System Monitoring-Odd
	05/20/2013	STK1334828-001	Coliform	HBSS 3979	Water System Monitoring-Odd
	07/16/2013	STK1337050-001	Coliform	HBSS 3979	Water System Monitoring-Odd
	09/17/2013	STK1339228-001	Coliform	HBSS 3979	Water System Monitoring-Odd
	11/13/2013	STK1351168-004	Coliform	HBSS 3979	Water System Monitoring-Odd
HBSS 3991	11/18/2013	STK1351249-001	Coliform	HBSS 3979	Water System Monitoring-Odd
	02/18/2013	STK1331342-001	Coliform	HBSS 3991	Water System Monitoring-Even
	04/15/2013	STK1333405-001	Coliform	HBSS 3991	Water System Monitoring-Even
	06/18/2013	STK1335917-001	Coliform	HBSS 3991	Water System Monitoring-Even
	08/19/2013	STK1338343-001	Coliform	HBSS 3991	Water System Monitoring-Even
	10/21/2013	STK1350411-001	Coliform	HBSS 3991	Water System Monitoring-Even
	11/13/2013	STK1351168-003	Coliform	HBSS 3991	Water System Monitoring-Even
12/16/2013	STK1352058-001	Coliform	HBSS 3991	Water System Monitoring-Even	
Well 01	03/21/2008	STK0832895-001	Radio Chemistry	Well 01	Radio Monitoring
	03/21/2008	STK0832896-001	EPA 524.2	Well 01	Water Quality Monitoring
	06/10/2008	STK0835801-001	Radio Chemistry	Well 01	Radio Monitoring
	09/12/2008	STK0839302-001	Radio Chemistry	Well 01	Radio Monitoring
	12/11/2008	STK0852442-001	Radio Chemistry	Well 01	Radio Monitoring
	03/16/2011	STK1132212-001	EPA 504.1	Well	Water Quality Monitoring
	03/16/2011	STK1132212-001	General Mineral	Well	Water Quality Monitoring
	03/16/2011	STK1132212-001	Metals, Total	Well	Water Quality Monitoring
	03/16/2011	STK1132212-001	Wet Chemistry	Well	Water Quality Monitoring
	03/18/2013	STK1332336-001	Wet Chemistry	Well 01	Water Quality Monitoring
	06/18/2013	STK1335918-001	Wet Chemistry	WELL	Water Quality Monitoring
	09/17/2013	STK1339229-001	Wet Chemistry	Well 01	Water Quality Monitoring
	11/13/2013	STK1351168-001	Coliform	WELL	HESKETT, JOE WATER SYSTEM
	12/16/2013	STK1352059-001	Wet Chemistry	Well 01	Water Quality Monitoring