

2014 Consumer Confidence Report

Water System Name: SJC MICKE GROVE PARK

Report Date: June 2015

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.

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: According to CDPH records, NORTHWEST WELL is Groundwater. This Assessment was done using the Default Groundwater System Method. This info is not available for SOUTH WELL as this water system does not have a completed assessment on file for this source. Please see the Drinking Water Source Assessment Information section located at the end of this report for more details.

Your water comes from 2 source(s): Northwest Well and South Well

Opportunities for public participation in decisions that affect drinking water quality: Regularly-scheduled water board or city/county council meetings currently are not held.

For more information about this report, or 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 contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically 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 the contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

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.

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)

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 California Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that 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 constituent. 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 last sample set)	Sample Date	90th percentile level detected	No. Sites Exceeding AL	AL	PHG	Typical Sources of Contaminant
Copper (ppm)	5 (2014)	0.09	0	1.3	.3	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 (ppb)	(2012 - 2013)	3	N/A	10	0.004	Erosion of natural deposits; runoff from orchards, glass and electronics production wastes
Barium (ppm)	(2012 - 2013)	ND	ND - 0.14	1	2	Discharge from oil drilling wastes and from metal refineries; erosion of natural deposits
Hexavalent Chromium (ppb)	(2014)	5.21	4.61 - 5.8	10	0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits.
Nitrate (ppm)	(2014)	13.1	6.2 - 20.0	45	45	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Gross Alpha (pCi/L)	(2006 - 2007)	2.28	1.40 - 3.43	15	(0)	Erosion of natural deposits.
Uranium (pCi/L)	(2006)	3.44	N/A	20	0.43	Erosion of natural deposits

Dibromochloropropane (DBCP) (ppt)	(2014)	14	ND - 110	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
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Table 3 - DETECTION OF UNREGULATED CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Typical Sources of Contaminant
Vanadium (ppm)	(2012 - 2013)	0.03	N/A	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 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. Immunocompromised 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 the service lines and home plumbing. *Micke Grove Park WS* 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>.

2014 Consumer Confidence Report Drinking Water Assessment Information

Assessment Information

A source water assessment was conducted for the NORTHWEST WELL (REPEAT #4) of the SJ COUNTY - MICKE GROVE PARK water system in May, 2002. According to the Drinking Water Source Assessment and Protection Program's Source Water Assessments Public Access web page, the Public Water Source SOUTHWEST WELL of the SJC MICKE GROVE PARK water system number 3900511, does not have a completed Source Water Assessment on file.

Northwest Well - is most vulnerable to the following activities associated with contaminants detected in the water supply:
Known Contaminant Plumes

South Well - is considered most vulnerable to the following activities not associated with any detected contaminants:
Drinking water treatment plants
Parks
Transportation corridors - Railroads

Discussion of Vulnerability

Dibromochloropropane (DBCP) has been detected at levels over the Maximum Contaminant Level at the Northwest Well. All drinking fountains have been disconnected and bottled water has been provided. The three residences, the pro shop, Funderwoods and Tree Top Cafe have point of use treatment devices that completely remove all traces of DBCP before water is served. A centralized treatment system is being planned at the Northwest and South wellheads. An Assessment Summary for the Southwest Well is currently not available.

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 Information

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

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.

Micke Grove Park WS Analytical Results By FGL - 2014

LEAD AND COPPER RULE									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	90th Percentile	# Samples
Copper		ppm		1.3	.3			0.09	3
CuPb-Auditorium-Kitchen Sink	STK1436288-1	ppm				2014-06-24	ND		
CuPb-Calavers-Picnic Shelter	STK1436288-2	ppm				2014-06-24	0.09		
CuPb-Camanche-Picnic Shelter	STK1436288-3	ppm				2014-06-24	ND		
CuPb-DeltaShelter-Kitchen Sink	STK1436288-5	ppm				2014-06-24	0.09		
CuPb-Stanislaus-Picnic Shelter	STK1436288-4	ppm				2014-06-24	ND		

PRIMARY DRINKING WATER STANDARDS (PDWS)									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Arsenic		ppb		10	0.004			3	3 - 3
Northwest Well	STK1351774-1	ppb				2013-12-05	3		
South Well	STK1236099-1	ppb				2012-07-02	3		
Barium		ppm	2	1	2			ND	ND - 0.14
Northwest Well	STK1351774-1	ppm				2013-12-05	ND		
South Well	STK1236099-1	ppm				2012-07-02	0.14		
Hexavalent Chromium		ppb		10	0.02			5.21	4.61 - 5.8
Northwest Well	STK1452754-1	ppb				2014-12-17	5.8		
South Well	STK1450247-2	ppb				2014-10-07	4.61		
Nitrate		ppm		45	45			13.1	6.2 - 20.0
Northwest Well	STK1430448-1	ppm				2014-01-20	6.2		
South Well	STK1436853-1	ppm				2014-07-10	20.0		
Gross Alpha		pCi/L		15	(0)			2.28	1.40 - 3.43
Northwest Well	STK0752036-1	pCi/L				2007-12-17	2.48		
Northwest Well	STK0738805-1	pCi/L				2007-09-20	2.36		
Northwest Well	STK0735732-1	pCi/L				2007-06-28	2.34		
South Well	STK0752036-2	pCi/L				2007-12-17	1.66		
South Well	STK0738805-2	pCi/L				2007-09-20	3.43		
South Well	STK0735732-2	pCi/L				2007-06-28	2.96		
South Well	STK0732480-2	pCi/L				2007-03-16	1.40		
South West Well	STK0638292-2	pCi/L				2006-09-27	1.62		
Uranium		pCi/L		20	0.43			3.44	3.44 - 3.44
Northwest Well	STK0638292-1	pCi/L				2006-09-27	3.44		
Dibromochloropropane (DBCP)		ppt		200	1.7			14	ND - 110
GAC Filters - Northwest Well -	STK1452134-1	ppt				2014-12-01	ND		
GAC Filters - Northwest Well -	STK1451260-1	ppt				2014-11-05	ND		
GAC Filters - Northwest Well -	STK1450926-1	ppt				2014-10-28	ND		
GAC Filters - Northwest Well -	STK1439000-1	ppt				2014-09-03	ND		
GAC Filters - Northwest Well -	STK1437781-1	ppt				2014-08-05	ND		
GAC Filters - Northwest Well -	STK1436850-1	ppt				2014-07-10	ND		
GAC Filters - Northwest Well -	STK1435494-1	ppt				2014-06-06	ND		
GAC Filters - Northwest Well -	STK1434559-1	ppt				2014-05-14	ND		
GAC Filters - Northwest Well -	STK1432842-1	ppt				2014-04-01	ND		
GAC Filters - Northwest Well -	STK1432130-1	ppt				2014-03-11	ND		
GAC Filters - Northwest Well -	STK1430962-1	ppt				2014-02-03	110		
GAC Filters - Northwest Well -	STK1430295-1	ppt				2014-01-10	110		
GAC Filters - South Well - Tre	STK1452135-1	ppt				2014-12-01	ND		
GAC Filters - South Well - Tre	STK1451261-1	ppt				2014-11-05	ND		
GAC Filters - South Well - Tre	STK1450246-1	ppt				2014-10-07	ND		
GAC Filters - South Well - Tre	STK1439001-1	ppt				2014-09-03	ND		
GAC Filters - South Well - Tre	STK1437782-1	ppt				2014-08-05	ND		
GAC Filters - South Well - Tre	STK1436851-1	ppt				2014-07-10	ND		
GAC Filters - South Well - Tre	STK1435495-1	ppt				2014-06-06	ND		

GAC Filters - South Well - Tre	STK1434558-1	ppt				2014-05-14	ND		
GAC Filters - South Well - Tre	STK1432841-1	ppt				2014-04-01	ND		
GAC Filters - South Well - Tre	STK1432191-1	ppt				2014-03-11	ND		
GAC Filters - South Well - Tre	STK1430961-1	ppt				2014-02-03	30		
GAC Filters - South Well - Tre	STK1430297-1	ppt				2014-01-10	80		

UNREGULATED CONTAMINANTS									
		Units	MCLG	CA-MCL	PHG	Sampled	Result	Avg. Result(a)	Range (b)
Vanadium		ppm		NS	n/a			0.03	0.03 - 0.03
Northwest Well	STK1351774-1	ppm				2013-12-05	0.03		
South Well	STK1236099-1	ppm				2012-07-02	0.03		

Micke Grove Park WS CCR Login Linkage - 2014

FGL Code	Lab ID	Date Sampled	Method	Description	Property
@BackFlow	STK1450549-1	2014-10-13	Coliform	@ Back Flow	Bacteriological Sampling
Auditorium-KitS	STK1436288-1	2014-06-24	Metals, Total	CuPb-Auditorium-Kitchen Sink	Lead & Copper Monitoring
Calavers-Picnic	STK1436288-2	2014-06-24	Metals, Total	CuPb-Calavers-Picnic Shelter	Lead & Copper Monitoring
Camanche-Picnic	STK1436288-3	2014-06-24	Metals, Total	CuPb-Camanche-Picnic Shelter	Lead & Copper Monitoring
Delta Shelter-K	STK1436288-5	2014-06-24	Metals, Total	CuPb-DeltaShelter-Kitchen Sink	Lead & Copper Monitoring
Stanislaus-PicS	STK1436288-4	2014-06-24	Metals, Total	CuPb-Stanislaus-Picnic Shelter	Lead & Copper Monitoring
Effluent V	STK1451123-3	2014-10-31	Coliform	Effluent Vessels	SJC MICKE GROVE PARK
Effl Filt 1- No	STK1430295-1	2014-01-10	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1430962-1	2014-02-03	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1432130-1	2014-03-11	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1432842-1	2014-04-01	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1434559-1	2014-05-14	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1435494-1	2014-06-06	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1436850-1	2014-07-10	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1437781-1	2014-08-05	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1439000-1	2014-09-03	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1450698-1	2014-10-15	Coliform	GAC Filters - Northwest Well -	SJC MICKE GROVE PARK
	STK1450926-1	2014-10-28	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1451260-1	2014-11-05	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
	STK1452134-1	2014-12-01	EPA 504.1	GAC Filters - Northwest Well -	North GAC Filter Plant
Effl Filt 1- So	STK1430297-1	2014-01-10	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1430961-1	2014-02-03	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1432191-1	2014-03-11	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1432841-1	2014-04-01	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1434558-1	2014-05-14	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1435495-1	2014-06-06	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1436851-1	2014-07-10	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1437782-1	2014-08-05	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1439001-1	2014-09-03	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1450246-1	2014-10-07	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1451261-1	2014-11-05	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
	STK1452135-1	2014-12-01	EPA 504.1	GAC Filters - South Well - Tre	South GAC Filter Plant
HB-Bathroom S/W	STK1430298-1	2014-01-10	Coliform	HB-Bathroom S/W of Mem. Bldg.	Bacti Monitoring - Odd
	STK1432129-1	2014-03-11	Coliform	HB-Bathroom S/W of Mem. Bldg.	Bacti Monitoring - Odd
	STK1434147-1	2014-05-06	Coliform	HB-Bathroom S/W of Mem. Bldg.	Bacti Monitoring - Odd
	STK1436854-1	2014-07-10	Coliform	HB-Bathroom S/W of Mem. Bldg.	Bacti Monitoring - Odd
	STK1439002-1	2014-09-03	Coliform	HB-Bathroom S/W of Mem. Bldg.	Bacti Monitoring - Odd
	STK1451262-1	2014-11-05	Coliform	HB-Bathroom S/W of Mem. Bldg.	Bacti Monitoring - Odd
Influent V.	STK1451123-2	2014-10-31	Coliform	Influent Vessels	SJC MICKE GROVE PARK
MemorialBldgRR	STK1438487-2	2014-08-19	Coliform	Memorial Bldg. Restroom	Bacteriological Sampling
N. Carbon Vesse	STK1431837-3	2014-02-28	Coliform	N. Carbon Vessel A	Bacteriological Sampling
NCarbon Vessel	STK1432116-1	2014-03-07	Coliform	North Carbon Vessel A	Bacteriological Sampling
N. WELL	STK1431837-1	2014-02-28	Coliform	North Well	Bacteriological Sampling
	STK1450494-1	2014-10-10	Coliform	North Well	Bacteriological Sampling
	STK1450549-2	2014-10-13	Coliform	North Well	Bacteriological Sampling
Micke Grove NW	STK0638292-1	2006-09-27	Radio Chemistry	Northwest Well	Micke Grove Park
	STK0735732-1	2007-06-28	Radio Chemistry	Northwest Well	Micke Grove - Radio
	STK0738805-1	2007-09-20	Radio Chemistry	Northwest Well	Micke Grove - Radio
	STK0752036-1	2007-12-17	Radio Chemistry	Northwest Well	Micke Grove - Radio
WELL-NrthWst	STK1351774-1	2013-12-05	Metals, Total	Northwest Well	North Well 3-Year Monitoring
	STK1430448-1	2014-01-20	Wet Chemistry	Northwest Well	Nitrate Monitoring
Micke Grove NW	STK1452754-1	2014-12-17	Wet Chemistry	Northwest Well	Chrome 6 Monitoring
Off Kit Sink	STK1438487-1	2014-08-19	Coliform	Office Kitchen Sink	Bacteriological Sampling
S. Carbon Vesse	STK1431837-4	2014-02-28	Coliform	S. Carbon Vessel B	Bacteriological Sampling
South Carbon Ve	STK1432116-2	2014-03-07	Coliform	South Carbon Vessel A	Bacteriological Sampling

Micke Grove S.	STK0732480-2	2007-03-16	Radio Chemistry	South Well	Micke Grove - Radio
	STK0735732-2	2007-06-28	Radio Chemistry	South Well	Micke Grove - Radio
	STK0738805-2	2007-09-20	Radio Chemistry	South Well	Micke Grove - Radio
	STK0752036-2	2007-12-17	Radio Chemistry	South Well	Micke Grove - Radio
WELL-South	STK1236099-1	2012-07-02	Metals, Total	South Well	South Well 3/6 Year Monitoring
Micke Grove S.	STK1431837-2	2014-02-28	Coliform	South Well	Bacteriological Sampling
	STK1436853-1	2014-07-10	Wet Chemistry	South Well	South Well 3/6 Year Monitoring
	STK1450247-2	2014-10-07	Wet Chemistry	South Well	Chrome 6 Monitoring
	STK1451123-1	2014-10-31	Coliform	South Well	SJC MICKE GROVE PARK
South West Well	STK0638292-2	2006-09-27	Radio Chemistry	South West Well	Micke Grove Park
Micke Gro-ZooEm	STK1439820-1	2014-09-24	Coliform	Zoo Employee RR	Bacteriological Sampling
MickeGro-ZooST	STK1430960-1	2014-02-03	Coliform	Zoo Sample Tap	Bacti Monitoring - Even
	STK1432843-1	2014-04-01	Coliform	Zoo Sample Tap	Bacti Monitoring - Even
	STK1435496-1	2014-06-06	Coliform	Zoo Sample Tap	Bacti Monitoring - Even
	STK1437801-1	2014-08-05	Coliform	Zoo Sample Tap	Bacti Monitoring - Even
	STK1450248-1	2014-10-07	Coliform	Zoo Sample Tap	Bacti Monitoring - Even
	STK1452136-1	2014-12-01	Coliform	Zoo Sample Tap	Bacti Monitoring - Even