2022 Consumer Confidence

Report Water System Information

Water System Name: City of California City

Report Date: August 25, 2023

Type of Water Source(s) in Use: Six Ground Water Wells and One Supplier Water Source (AVEK)

Name and General Location of Source(s): <u>Well #2, Well #3, Well#10, Well#14, Well#15A, and</u> Well#16 are all located in the first community within a three-mile radius from City Hall 21000 Hacienda Blvd; California City, CA 93505. The water source for AVEK is at the NW corner of California City Boulevard and Randsburg Mojave Road.

Drinking Water Source Assessment Information: <u>Available at California City's City Hall 21000</u> Hacienda Blvd; California City, CA 93505.

Time and Place of Regularly Scheduled Board Meetings for Public Participation: <u>Second and Fourth</u> <u>Tuesday of every month at 6:00PM at California City's City Hall 21000 Hacienda Blvd;</u> <u>California City, CA 93505.</u>

For More Information, Contact: Joe Barragan Director of Public Works at (760) 373-7162

About This Report

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 to December 31, 2020 and may include earlier monitoring data.

Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse <u>City of California City</u> a <u>21000 Hacienda Blvd; California City, CA 93505</u> (760) <u>373-7162</u> para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 <u>City of</u> <u>California City</u>以获得中文的帮助: <u>21000 Hacienda Blvd; California City, CA 93505</u> (760) 373-7162.

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa <u>City of California City</u> o tumawag sa <u>21000</u> <u>Hacienda Blvd; California City, CA 93505 (760) 373-7162</u> para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ <u>City of California City</u> tại <u>21000 Hacienda Blvd; California City, CA 93505</u> (760) 373-7162 để được hỗ trợ giúp bằng tiếng Việt. Language in Hmong: Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau <u>City of California City</u> ntawm <u>21000 Hacienda Blvd; California City, CA 93505 (760) 373-7162</u> rau kev pab hauv lus Askiv.

Terms Used in This Report

Term	Definition
Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
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 (U.S. EPA).
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.
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.
Regulatory Action Level (AL)	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
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.
Variances and Exemptions	Permissions from the State Water Resources Control Board (State Board) 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 million or milligrams per liter (mg/L)

Term Definition						
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)					

Sources of Drinking Water and Contaminants that May Be Present in Source Water

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 byproducts 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.

Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

About Your Drinking Water Quality

Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, 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. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

Table 1. Sampling Results Showing the Detection of Coliform Bacteria

Complete if bacteria are detected.

Microbiological Contaminants	Highest No. of Detections	No. of Months in Violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria (State Total Coliform Rule)	(In a month) <u>0</u>	<u>0</u>	1 positive monthly sample ^(a)	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i> (State Total Coliform Rule)	(In the year) <u>0</u>	<u>0</u>	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or <i>E. coli</i> positive	None	Human and animal fecal waste
<i>E. coli</i> (Federal Revised Total Coliform Rule)	(In the year) <u>0</u>	<u>0</u>	(b)	0	Human and animal fecal waste

(a) Two or more positive monthly samples is a violation of the MCL

(b) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

Table 2. Sampling Results Showing the Detection of Lead and Copper

Complete if lead or copper is detected in the last sample set.

Lead and Copper	Sample Date	No. of Samples Collected	90 th Percentile Level Detected	No. Sites Exceeding AL	AL	PHG	No. of Schools Requesting Lead Sampling	Typical Source of Contaminant
Lead (ppb)	<u>2020</u>	<u>20</u>	<u>0.64</u>	<u>0</u>	15	0.2	<u>5</u>	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	<u>2020</u>	<u>20</u>	<u>0.11</u>	<u>0</u>	1.3	0.3	N/A	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table 3. Sampling Results for Sodium and Hardness

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	<u>2020</u>	<u>136</u>	<u>120-150</u>	None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	<u>2020</u>	<u>93.2</u>	<u>76-110</u>	None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

Table 4. Detection of Contaminants with a Primary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Arsenic (ppb)	<u>2020</u>	<u>5.9</u>	<u>4.1-7.4</u>	<u>10</u>	<u>0.004</u>	Erosion of natural deposits; run off from orchards; glass and electronics production wastes.
Barium (ppm)	<u>2020</u>	<u>0.026</u>	<u>0.022 - 0.032</u>	1	2	Discharge of oil drilling wastes and from metal refineries; erosion of national deposits
<u>Fluoride (ppm)</u>	<u>2020</u>	<u>1.26</u>	<u>0.97 - 1.6</u>	2	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
<u>Selenium (ppb)</u>	<u>2020</u>	<u>0.0</u>	<u>0</u>	<u>50</u>	<u>30</u>	Discharge from petroleum, glass and <u>metal refineries;</u> erosion of natural deposits; discharge from mines and <u>chemical</u> <u>manufacturers;</u>

						runoff from livestock lots (feed additives)
<u>Nitrate (ppm)</u>	<u>2022</u>	<u>0.48</u>	<u>0.4650</u>	<u>10</u>	<u>10</u>	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits

 Table 5. Detection of Contaminants with a Secondary Drinking Water Standard

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG	Typical Source of Contaminant
Aluminum (ppm)	<u>2020</u>	<u>0</u>	<u>0.0 - 0.0</u>	1	<u>0.6</u>	Erosion of natural deposits; residual from some surface water treatment process
Bicarbonate (ppm)	<u>2020</u>	<u>206</u>	<u> 190 - 230</u>	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
Calcium (ppm)	<u>2020</u>	<u>25.60</u>	<u>21- 31</u>	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
Alkalinity (ppm)	<u>2020</u>	<u>166</u>	<u>150-180</u>	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
Chloride (ppm)	<u>2020</u>	<u>82.6</u>	<u>67 - 110</u>	<u>500</u>	<u>n/a</u>	Runoff/leaching from natural deposits; seawater influence
Foaming Agents [MBAS](ppb)	<u>2020</u>	<u>0</u>	<u>0</u>	<u>500</u>	<u>n/a</u>	<u>Municipal and</u> industrial waste <u>discharges</u>
<u>lron (ppb)</u>	<u>2020</u>	<u>15.2</u>	<u>0 - 76</u>	<u>300</u>	<u>n/a</u>	Leaching from natural deposits; industrial wastes
<u>Magnesium</u> (ppb)	<u>2020</u>	<u>.705</u>	<u>6-8.9</u>	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
<u>Manganese</u> (ppb)	<u>2020</u>	<u>0</u>	<u>0</u>	<u>50</u>	<u>n/a</u>	Leaching from natural deposits
PH (pH Unit)	<u>2020</u>	<u>7.954</u>	<u>7.9 - 8</u>	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
Specific Conductance (uS/cm)	<u>2020</u>	<u>792</u>	<u>705 – 891</u>	<u>1600</u>	<u>n/a</u>	Substance that form ions when in water; seawater influence
Sulfate (ppm)	<u>2020</u>	<u>93</u>	<u>83 - 100</u>	<u>500</u>	<u>n/a</u>	Runoff/leaching from natural deposits; industrial wastes

Total Dissolved Solids [TDS] (ppm)	<u>2020</u>	<u>560</u>	<u>530 - 590</u>	<u>1,000</u>	<u>n/a</u>	Runoff/leaching from natural deposits
Turbidity (NTU)	<u>2020</u>	<u>0.25</u>	<u>0.12 – 0.52</u>	Ц	<u>n/a</u>	<u>Soil runoff</u>
Potassium (ppm)	<u>2020</u>	<u>2.5</u>	<u>2.3 - 2.6</u>	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
Zinc (ppm)	<u>2020</u>	<u>0.1</u>	<u>0 - 50</u>	<u>5.0</u>	<u>n/a</u>	Runoff/leaching from natural deposits; industrial wastes

Table 6. Detection of Unregulated Contaminants

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
<u>Chromium</u> (ppb)	<u>2020</u>	<u>3.833</u>	<u>0-12</u>	<u>50</u>	Some people who use water containing chromium in excess of MCL over many years may experience allergic dermatitis

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 U.S. EPA'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. U.S. EPA/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: 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. [Enter Water System's Name] 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. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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 (1-800-426-4791) or at <u>http://www.epa.gov/lead</u>.

Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*: [Enter Additional Information Described in Instructions for SWS CCR Document]

Federal Revised Total Coliform Rule (RTCR): [Enter Additional Information Described in Instructions for SWS CCR Document]

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
None	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>None</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement

For Water Systems Providing Groundwater as a Source of Drinking Water

 Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples

Microbiological Contaminants (complete if fecal- indicator detected)	Total No. of Detections	Sample Dates	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
<u>E. coli</u>	<u>0</u>	<u>2020</u>	<u>0</u>	<u>(0)</u>	Human and animal fecal waste
Enterococci	<u>0</u>	<u>2020</u>	Ш	<u>N/A</u>	Human and animal fecal waste
<u>Coliphage</u>	<u>0</u>	<u>2020</u>	Π	<u>N/A</u>	Human and animal fecal waste

Summary Information for Fecal Indicator-Positive Groundwater Source Samples, Uncorrected Significant Deficiencies, or Violation of a Groundwater TT

Special Notice of Fecal Indicator-Positive Groundwater Source Sample: None

Special Notice for Uncorrected Significant Deficiencies: None

Table 9. Violation of Groundwater TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
<u>None</u>	<u>N/A</u>	N/A	N/A	<u>N/A</u>
None	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

For Systems Providing Surface Water as a Source of Drinking Water

Table 10. Sampling Results Showing Treatment of Surface Water Sources

Treatment Technique ^(a) (Type of approved filtration technology used)	<u>N/A</u>
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	 Turbidity of the filtered water must: 1 – Be less than or equal to <u>N/A</u> NTU in 95% of measurements in a month. 2 – Not exceed <u>N/A</u> NTU for more than eight consecutive hours. 3 – Not exceed <u>N/A</u> NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	<u>N/A</u>
Highest single turbidity measurement during the year	<u>N/A</u>
Number of violations of any surface water treatment requirements	<u>N/A</u>

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

Summary Information for Violation of a Surface Water TT

Table 11. Violation of Surface Water TT

Violation	Explanation	Duration	Actions Taken to Correct Violation	Health Effects Language
<u>None</u>	<u>N/A</u>	N/A	<u>N/A</u>	<u>N/A</u>
<u>None</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

Summary Information for Operating Under a Variance or Exemption

<u>N/A</u>

Summary Information for Federal Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements

Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation

<u>N/A</u>

Level 2 Assessment Requirement Due to an *E. coli* MCL Violation

<u>N/A</u>

The Antelope Valley-East Kern Water Agency provides treated surface water and treated groundwater as our sources of drinking water.

Treatment technique: Conventional

EPA Turbidity Performance Standards: Turbidity of the filtered water must:

1. Be less than or equal to 0.30 NTU in 95% of measurements in a month.

2. Not exceed 1 NTU at any time.

Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1: 100%

Highest single turbidity measurement during the year: 0.19 NTU

Percentage of samples < 0.30 NTU: 100%

The number of violations of any surface water treatment requirements: NONE

mg/L

mg/L

μg/L

μg/L

μg/L

Nitrite (as N)

Perchlorate

Selenium

Thallium

Nitrate+Nitrite (as N)

Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

The Antelope Valley-East Kern Water Agency also provides chlorinated groundwater as an alternative source of drinking water. Treatment technique: Chlorination

0.4

2

5

1

1

10

1

30

0.1

1

10

6

50

2

EPA Groundwater Rule: AVEK meets the requirements of the Groundwater Rule by providing a minimum of 4-log reduction of viruses by continously providing a minimum free chlorine residual of 0.5 mg/L leaving the clearwell.

Lowest single free chlorine residual measurement during the year: 0.89

Number of violations of the Groundwater Rule: NONE

				MICF	ROBIOLOGICA	L CONTAMINA	NTS						
Type of Sample(s)	Parame	eter	Sampling	Frequency	MCL			No. of Months in Violation			Systen Range	n Results Average	
Distribution Distribution	Total Coliform E. co			0 / mo 0 / mo	1 p	5% positive oos. with 2 TC p	os.		one		0% 0%	0% 0%	
	INORGANIC CONTAMINANTS												
	RESULTS												
					Rosamond Plant						ater Bank		
					Plant Efflu	ent (CWR)	Raw Influen	t (Sources)		t (CWR)	V	/ells	
Parameter	<u>Units</u>	MCL	DLR	PHG	<u>Range</u>	Average	<u>Range</u>	Average	<u>Range</u>	<u>Average</u>	Range	<u>Average</u>	
Aluminum	μg/L	1000	50	600	93-250	130	ND	ND					
Antimony	μg/L	6	6	1		ND	ND	ND					
Arsenic	μg/L	10	2	0.004		3.6	3.2-8.1	5.0	2.5-7.3	5.5	2.2-12	5.2	
Barium	μg/L	1000	100	2000		58	30-58	44					
Beryllium	μg/L	4	1	1		ND	ND	ND					
Cadmium	μg/L	5	1	0.04		ND	ND	ND					
Chromium (Total)	μg/L	50	10			5.1	5.1-15	11					
Chromium (Hexavalent)	µg/L	*	1	0.02		5.8	5.4-14	8.6					
Cyanide	μg/L	150	100	150		ND	ND	ND					
Fluoride	mg/L	2	0.1	1		0.28	0.29-0.36	0.32					
Mercury	μg/L	2	1	1.2		ND	ND	ND					
Nickel	μg/L	100	10	12		ND	ND	ND					
Nitrate (as N)	mg/L	10	0.4	10		2.5	1.2-2.5	1.9			1.2-4.5	2.5	

*There is currently no MCL for hexavalent chromium. The previous MCL of 0.010 mg/L was withdrawn on September 11, 2017.

ND

2.5

ND

ND

ND

ND

ND-2.5

ND

ND

ND

ND

0.83

ND

ND

ND

ND

2.2

ND

ND

1.5-3.4

ND

			GENERAL P	HYSICAL AND	SECONDARY	STANDARDS						
						RES	<u>JLTS</u>					
				Rosamond Plant Water Bank								
				Plant Efflu	ent (CWR)	Raw Influer	nt (Sources)	Effluent ((CWR)		Wells	
Parameter	Units	MCL	DLR	Range	Average	Range	Average	Range	Average	Range	Average	
Aluminum	μg/L	1000	50	93-250	140	ND	ND					
Calcium	mg/L	no standard			63	63-97	74					
Chloride	mg/L	250			54	40-53	47					
Color	Units	15		<5	<5	<5	<5					
Copper	μg/L	1000	50		ND	ND	ND					
Foaming Agents (MBAS)	mg/L	0.5			ND	ND	ND					
Hardness (Total) as CaCO3	mg/L	no standard			200	91-200	140					
Iron	μg/L	300	100		ND	ND	ND					
Magnesium	mg/L	no standard			9.7	5.7-9.7	8.3					
Manganese	μg/L	50	20		ND	ND	ND					
Odor @ 60 C	Units	3	1	<1	<1	<1	<1					
pH	Units	no standard		7.3-7.9	7.6	7.7-8.6	8.0					
Silver	μg/L	100	10			ND	ND					
Sodium	mg/L	no standard			46	ND-44	15					
Specific Conductance	μmhos	900			580	420-580	500					
Sulfate	mg/L	250	0.5		60	47-58	53					
Thiobencarb (Bolero)	μg/L	1	1		ND	ND	ND					
Methyl tert-Butyl Ether (MTBE)	μg/L	5	3		ND	ND	ND					
Total Dissolved Solids	mg/L	500			330	240-320	290					
Turbidity	Units	5		0.01-0.20	0.05	0.02-1.1	0.10					
Zinc	μg/L	5000	50		450	ND	ND					
Total Alkalinity (as CaCO3)	mg/L	no standard			140	120-150	140					
Bicarbonate Alkalinity(as HCO3)	mg/L	no standard			140	ND-150	50					
Carbonate (as CO3)	mg/L	no standard			ND	ND	ND					
Hydroxide (as OH)	mg/L	no standard			ND	ND	ND					
, (-)	5			1		1				1		
			R	ADIOLOGICAL (CONTAMINAN	TS						
						RES						
					Rosamo	ond Plant	Water	Bank				
Parameter	<u>Units</u>	MCL	<u>DLR</u>	PHG	Raw Influe	ent Sources	We	ells				
					Range	Average	Range	Average				
Gross Alpha	pCi/L	15	3		-	-						
Gross Beta	pCi/L	50	4			ND						
Strontium 90	pCi/L	8	2	0.35								
Tritium	pCi/L	20,000	1,000	400								
Uranium	pCi/L	20	1	0.43		3.5						
Radium 228	pCi/L		1	0.019		ND						
Radium 226	pCi/L		1	0.05		ND						

GENERAL PHYSICAL AND SECONDARY STANDARDS

VOLATILE ORGANIC CONTAMINANTS

						RESULTS				
					Rosamond Plant		Water Bank			
					Raw Influe	nt (Sources)	Wells			
Parameter	<u>Units</u>	MCL	DLR	PHG	Range	Average	Range	Average		
1,1,1-Trichlorethane (1,1,1-TCA)	μg/L	200	0.5	1000	ND	ND	ND	ND		
1,1,2,2-Tetrachloroethane	μg/L	1	0.5	0.1	ND	ND	ND	ND		
1,1,2-Trichloroethane (1,1,2-TCA)	μg/L	5	0.5	0.3	ND	ND	ND	ND		
1,1-Dichloroethane (1,1-DCA)	μg/L	5	0.5	3	ND	ND	ND	ND		
1,1-Dichloroethylene (1,1-DCE)	μg/L	6	0.5	10	ND	ND	ND	ND		
1,2,4-Trichlorobenzene	μg/L	5	0.5	5	ND	ND	ND	ND		
1,2-Dichlorobenzene (o-DCB)	μg/L	600	0.5	600	ND	ND	ND	ND		

					Rosamond Plant			r Bank
					Raw Influent (Sources)			ells
<u>Parameter</u>	<u>Units</u>	MCL	DLR	PHG	<u>Range</u>	<u>Average</u>	<u>Range</u>	<u>Average</u>
1,2-Dichloroethane (1,2-DCA)	μg/L	0.5	0.5	0.4	ND	ND	ND	ND
1,2-Dichloropropane	μg/L	5	0.5	0.5	ND	ND	ND	ND
1,3-Dichloropropene (Total)	μg/L	0.5	0.5	0.2	ND	ND	ND	ND
1,4-Dichlorobenzene (p-DCB)	μg/L	5	0.5	6	ND	ND	ND	ND
Benzene	μg/L	1	0.5	0.15	ND	ND	ND	ND
Carbon tetrachloride	μg/L	0.5	0.5	0.1	ND	ND	ND	ND
cis-1,2-Dichloroethylene (c-1,2-DCE)	μg/L	6	0.5	100	ND	ND	ND	ND
cis-1,3-Dichloropropene	μg/L				ND	ND	ND	ND
Dichloromethane (Methylene Chloride)	μg/L	5	0.5	4	ND	ND	ND	ND
Ethylbenzene	μg/L	300	0.5	300	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	μg/L	13	3	13	ND	ND	ND	ND
Monochlorobenzene (Chlorobenzene)	μg/L	70	0.5	70	ND	ND	ND	ND
Styrene	μg/L	100	0.5	0.5	ND	ND	ND	ND
Tetrachloroethylene (PCE)	μg/L	5	0.5	0.06	ND	ND	ND	ND
Toluene	μg/L	150	0.5	150	ND	ND	ND	ND
trans-1,2-Dichloroethylene (t-1,2-DCE)	μg/L	10	0.5	60	ND	ND	ND	ND
trans-1,3-Dichloropropene	μg/L				ND	ND	ND	ND
Trichloroethylene (TCE)	μg/L	5	0.5	1.7	ND	ND	ND	ND
Trichlorofluromethane (Freon11)	μg/L	150	5	1300	ND	ND	ND	ND
Trichlorotrifluoroethane (Freon 113)	μg/L	1200	10	4000	ND	ND	ND	ND
Vinyl Chloride (VC)	μg/L	0.5	0.5	0.05	ND	ND	ND	ND
Xylenes (Total)	μg/L	1750	0.5	1800	ND	ND	ND	ND

SYNTHETIC ORGANIC CHEMICALS

			311	THE TIC OKG		410		
						RESU	<u>JLTS</u>	
					Raw Influe	nt (Sources)	Water Ba	ank Wells
Parameter_	<u>Units</u>	MCL	DLR (DL)	PHG	Range	Average	Range	Average
Alachlor	μg/L	2	1	4	ND	ND		
Atrazine	μg/L	1	0.5	0.15	ND	ND		
Bentazon	μg/L	18	2	200	ND	ND		
Benzo(a)pyrene	μg/L	0.2	0.1	0.007	ND	ND		
Carbofuran	μg/L	18	5	0.7	ND	ND		
Chlordane	μg/L	0.1	0.1	0.03	ND	ND		
2,4-D	μg/L	70	10	20	ND	ND		
Dalapon	μg/L	200	10	790	ND	ND		
Dibromochloropropane (DBCP)	μg/L	0.2	0.01	0.0017	ND	ND		
Di(2-ethylhexyl)adipate	μg/L	400	5	200	ND	ND		
Di(2-ethylhexyl)phthalate	μg/L	4	3	12	ND	ND		
Dinoseb	μg/L	7	2	14	ND	ND		
Diquat	μg/L	20	4	6	ND	ND		
Endothall	μg/L	100	45	94	ND	ND		
Endrin	μg/L	2	0.1	0.3	ND	ND		
Ethylene Dibromide (EDB)	μg/L	0.05	0.02	0.01	ND	ND		
Glyphosate	μg/L	700	25	900	ND	ND		
Heptachlor	μg/L	0.01	0.01	0.008	ND	ND		
Heptachlor Epoxide	μg/L	0.01	0.01	0.006	ND	ND		
Hexachlorobenzene	μg/L	1	0.5	0.03	ND	ND		
Hexachlorocyclopentadiene	μg/L	50	1	2	ND	ND		
Lindane	μg/L	0.2	0.2	0.032	ND	ND		
Methoxychlor	μg/L	30	10	0.09	ND	ND		
Molinate	μg/L	20	2	1	ND	ND		
Oxamyl	μg/L	50	20	26	ND	ND		
Pentachlorophenol	μg/L	1	0.2	0.3	ND	ND		
Picloram	μg/L	500	1	166	ND	ND		

					Raw Influent (Sources)		Water Ba	ank Wells
<u>Parameter</u>	<u>Units</u>	MCL	DLR (DL)	PHG	Range	Average	Range	Average
Polychlorinated Biphenyls	μg/L	0.5	0.5	0.09	ND	ND		
Simazine	μg/L	4	1	4	ND	ND		
Thiobencarb (Bolero)	μg/L	70	1	42	ND	ND		
Toxaphene	μg/L	3	1	0.03	ND	ND		
2,3,7,8-TCDD (Dioxin)	pg/L	30	5	0.05	ND	ND		
2,4,5-TP (Silvex)	μg/L	50	1	3	ND	ND		
1,2,3-Trichloropropane	μg/L	0.005	0.005	0.0007	ND	ND		

DISINFECTION RESIDUAL, PRECURSORS, and BYPRODUCTS

Type of Sample(s)	Parameter	Units	MCL/MRDL	DLR	MRDLG	RESULTS		
Type of Sample(S)	Falameter	Units	MCE/MIXDE	DLK	WINDLG	Range	Average	
Distribution	Chlorine (as total Cl2)	mg/L	4.0**		4	0.26-1.48	1.07	
Treated Water	Total Organic Carbon (TOC)	mg/L	Treatment Requirement	0.3		0.4-0.9	0.6	
Source Water	Total Organic Carbon (TOC)	mg/L	Treatment Requirement	0.3		0.5-0.9	0.6	
Distribution	Stage 2 D/DBP Rule Total Trihalon	nethanes µg/L	80**			14-25	20 #	
Distribution	Stage 2 D/DBP Rule Total Haloace	tic Acids µg/L	60**			2.2-7.2	2.1 #	
Treated Water	Bromate	μg/L	10 ⁺	1.0		ND	ND	

** Running Annual Average of distribution system samples. The MCLs are based upon Running Annual Averages. Stage 2 D/DBP Rule Total THMs and Total HAAs compliance is based upon Locational Running Annual Averages.

Location with the highest TTHM average

⁺ Compliance is based on the running annual average computed quarterly, of monthly samples, collected at the entrance to the distribution system.

DEFINITIONS and FOOTNOTES:

Plant Effluent, CWR, is finished, treated drinking water.

Raw Water is the Source Water, the California Aqueduct or wells, prior to treatment.

Units: mg/L = milligrams per liter, parts per million (ppm)

μg/L = micrograms per liter, parts per billion (ppb)

pg/L = picograms per liter, parts per quadrillion (ppq)

µmhos = micromhos, a measure of specific conductance

pCi/L = pico Curies per liter

< = less than

> = greater than

ND = none detected above the DLR

NTU = nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

MCL: Maximum Contaminant Level. The highest level of a contaminant that is allowed in drinking water. MCLs are set by the US Environmental Protection Agency or the State Water Resources Control Board as close to the PHGs and MCLGs as is economically or technologically feasible.

MRDL: Maximum Residual Disinfectant Level. The level of a disinfectant added for water treatment that may not exceeded at the consumer's tap.

DLR: Detection Limit for purposes of Reporting.

(DL): Detection limit determined by the Laboratory when no DLR has been established.

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.

MRDLG: Maximum Residual Disinfectant Level Goal. The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the US Environmental Protection Agency.

PHG: Public Health Goal. 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 Office of Environmental Health Hazard

Primary Drinking Water Standard: Primary MCLs, specific treatment techniques adopted in lieu of primary MCLs, and monitoring and reporting requirements for MCLs that are specified in regulations. Assessment.

Secondary Standards: Aesthetic standards established by the State Water Resources Control Board.

All analyses performed by ELAP certified laboratories: AVEK Water Agency, Eurofins Eaton Analytical Laboratories, or Eurofins subcontract lab.