

2023 Consumer Confidence Report

Water System Name: Desert Lake Community Services District Report Date: May 31, 2024
Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

We are pleased to provide you with this report and want to keep you informed about the water and services we have delivered to you over the past year. Our goal is, and always has been, to provide to you a safe and dependable supply of drinking water. 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 through December 31, 2023.

The type of water sources connected to the District's system are Inactive Well No. 1, Standby Well No. 2, and purchased surface water from Antelope Valley East Kern Water Agency (AVEK). Well No. 1 is located one block north of 20 Mule Team Road and one block east of Borax Road. Well No. 2 is located east of Borax Road and 2 ½ miles south of Rio Tinto Minerals. Since January 2012, the District's main source of water is and has been purchased surface water from AVEK. Hence, the reason the District has also included AVEK's 2023 Consumer Confidence Report for your review within this mailing.

If you have any questions about this report or concerning your water utility, please contact the General Manager, Natalie Russell, at (760) 762-5349, Wednesday through Friday, 9:00 a.m. to 5:00 p.m., closing for lunch from 12:00 p.m. to 1:00 p.m. Our regularly scheduled board meetings are held the third Monday of each month at the district office located at 12200 Del Oro Street at 5:00 p.m.

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 (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.

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

Primary Drinking Water Standards (PDWS): MCLs and MRDLs 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 that a water system must follow.

Variances 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 (ug/L)

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)

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 state 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.

The following tables 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.

*Any violation of an MC or AL is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 1 – MONTHLY BACTERIOLOGICAL ANALYSIS REQUIRES 1 TEST PER MONTH FOR COLIFORM BACTERIA. TEST RESULTS WERE NEGATIVE FOR COLIFORM BACTERIA IN THE DISTRIBUTION SYSTEM.

TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER: 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. WHEN YOUR WATER HAS BEEN SITTING FOR SEVERAL HOURS, YOU CAN MINIMIZE 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. ADDITIONAL INFORMATION IS AVAILABLE FROM THE SAFE DRINKING WATER HOTLINE AT (800) 426-4791.

Lead and Copper (complete if lead or copper detected in the last sample set)	No. of samples collected	90 th percentile level detected	No. sites exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	09/29/2022 10	ND	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	09/29/2022 10	.360	0	1.3	0.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 3 – MONTHLY BACTERIOLOGICAL TESTING REQUIRES CHLORINE TESTING TO BE CONDUCTED AT THE SAME TIME WITHIN THE DISTRIBUTION SYSTEM. THE CHLORINE RESULTS ARE AS FOLLOWS:

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Chlorine (ppm)	2023	.82	0.4 - 1.2	[4]	[4]	Water additive to control microbes

TABLE 4 – DISINFECTION BY-PRODUCTS: SAMPLING FOR DISINFECTION BY-PRODUCTS, INCLUDING TOTAL TRIHALOMETHANES (TTHM) AND HALOACETIC ACIDS (HAA5), WERE CONDUCTED AS REQUIRED FOR 2019. BORON CSD DOES NOT CHLORINATE THE DRINKING WATER; HOWEVER, AVEK DOES. THESE BY-PRODUCTS ARE A RESULT OF DRINKING WATER CHLORINATION.

Chemical or Constituent (and reporting units)	Sample Dates	Level Detected	Range of Detections	MCL [MRDL]		Typical Source of Contaminant
Total Trihalomethanes (ppb)	06/23/2023	32	32	80		By-product of drinking water chlorination
Total Haloacetic Acids (ppb)	06/23/2023	14	14	60		By-product of drinking water chlorination

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. 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. 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).

Under the Safe Drinking Water Act (SDWA), the United States Environmental Protection Agency (USEPA) is responsible for setting national limits for hundreds of substances in drinking water and also specifies various treatments that water systems must use to remove these substances. Each system continually monitors for these substances and reports their findings to the USEPA. The USEPA uses this data to ensure that consumers are receiving clean water.

This publication conforms to the regulation under SDWA requiring water utilities to provide detailed water quality information to each of their customers annually. We are committed to providing you with this information about your water supply because customers who are well informed are our best allies in supporting improvements necessary to maintain the highest water standards.

Antelope Valley-East Kern Water Agency
2023 Annual Water Quality Report - Kern County System

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: 0.17 NTU

Percentage of samples < 0.30 NTU: 100%

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

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

EPA Groundwater Rule: AV-EK meets the requirements of the Groundwater Rule by providing a minimum of 4-log reduction of viruses by continuously providing a minimum free chlorine residual of 0.5 mg/L leaving the cleanwell.

Lowest single free chlorine residual measurement during the year: 0.78

Number of violations of the Groundwater Rule: NONE

Type of Sample(s)	Parameter	Sampling Frequency	MICROBIOLOGICAL CONTAMINANTS			No. of Months in Violation	System Results		
			MCL	5% positive	1 pos. with 2 TC pos.		Range	Average	
Distribution	Total Coliform Bacteria	52 - 70 / mo				None	0%	0%	0%
Distribution	E. coli	52 - 70 / mo				None	0%	0%	0%
INORGANIC CONTAMINANTS									
Parameter		Rosamond Plant		Raw Influuent (CWR)		Raw Influuent (Sources)		Water Bank	
Units	MCL	DLR	PHG	Range	Average	Range	Average	Range	Average
µg/L	1000	50	600	ND-74	32	ND	ND	ND	ND
µg/L	6	6	1	ND	ND	ND	ND	ND	ND
µg/L	10	2	0.004	1.7-8.2	5.0	2.1-10	5.0	ND	ND
µg/L	1000	100	2000	ND	ND	ND	ND	ND	ND
µg/L	4	1	1	ND	ND	ND	ND	ND	ND
µg/L	5	1	0.04	ND	ND	ND	ND	ND	ND
µg/L	50	10	ND	ND	ND	ND-16	7.5	ND	ND
µg/L	*	1	0.02	ND-4.7	2.4	ND	ND	ND	ND
µg/L	150	100	150	ND	ND	ND	ND	ND	ND
µg/L	2	0.1	1	ND	0.21	ND-0.39	0.21	ND	ND
µg/L	2	1	1.2	ND	ND	ND	ND	ND	ND
µg/L	100	10	12	ND	ND	ND	ND	ND	ND
µg/L	10	0.4	10	0.59	ND-2.1	1.2	ND	ND	ND
µg/L	1	0.4	1	ND	ND	ND	ND	ND	ND
mg/L	10	10	10	0.59	ND-2.1	1.2	ND	ND	ND
µg/L	6	1	1	ND	ND	ND	ND	ND	ND
µg/L	50	5	30	ND	ND	ND	ND	ND	ND
µg/L	2	1	0.1	ND	ND	ND	ND	ND	ND

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

Antelope Valley-East Kern Water Agency
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GENERAL PHYSICAL AND SECONDARY STANDARDS										RESULTS			
Parameter	Units	MCL	DLR	Plant Effluent (CWR) Range	Rosamond Plant Range	Raw Influent (Sources) Range	Effluent (CWR) Range	Water Bank Range	Water Bank Average	Effluent (CWR) Range	Water Bank Range	Effluent (CWR) Range	Water Bank Range
Aluminum	µg/L	1000	50	ND-74	32	ND	ND	ND	ND	15-44	26	5-15	<5
Calcium	mg/L	250		no standard	31	ND	ND	ND	ND	36-68	47	5	<5
Chloride	mg/L	15		no standard	46	ND	ND	ND	ND	64-160	110	ND	<5
Color	Units	1000		<5	<5	ND	ND	ND	ND	ND	ND	ND	<5
Copper	µg/L	0.5		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<5
Forming Agents (MBAS)	mg/L	300		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<5
Hardness (Total) as CaCO ₃	mg/L	100		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<5
Iron	µg/L	50		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<5
Magnesium	µg/L	50		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<5
Manganese	µg/L	20		<1	<1	ND	ND	ND	ND	ND	ND	ND	<5
Odor @ 60 C	Units	3		no standard	7.3	ND	ND	ND	ND	7.4-9.4	8.2	7.7	<1
pH	Units	10		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
Silver	µg/L	100		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
Sodium	µg/L	900		no standard	34	ND	ND	ND	ND	26-50	40	460	460
Specific Conductance	µmhos	250		no standard	390-460	420	280-580	390	390	16-75	44	7.7	7.7
Sulfate	µg/L	1		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
Thiopencarb (Boleto)	µg/L	5		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
Methyl tert-Butyl Ether (MTBE)	µg/L	500		no standard	210	ND	150-360	250	250	ND	ND	ND	<1
Total Dissolved Solids	Units	5		no standard	0.01-0.17	0.06	0.02-11.7	2.40	2.40	ND	ND	ND	<1
Turbidity	µg/L	5000		no standard	360	72	65-99	65	65	ND	ND	ND	<1
Zinc	µg/L	50		no standard	72	ND	ND	ND	ND	ND	ND	ND	<1
Total Alkalinity (as CaCO ₃)	mg/L	no standard		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
Bicarbonate Alkalinity (as HCO ₃)	mg/L	no standard		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
Carbonate (as CO ₃)	mg/L	no standard		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
Hydroxide (as OH)	mg/L	no standard		no standard	ND	ND	ND	ND	ND	ND	ND	ND	<1
RADIOLOGICAL CONTAMINANTS													
Parameter	Units	MCL	DLR	PHG	Rosamond Plant Range	Raw Influent Sources Range	Water Bank Range	Water Bank Range	Water Bank Average	Effluent (CWR) Range	Water Bank Range	Effluent (CWR) Range	Water Bank Range
Gross Alpha	pCi/L	15	3		ND	ND	ND	ND	ND	ND	ND	ND	ND
Gross Beta	pCi/L	50	4		ND	ND	ND	ND	ND	ND	ND	ND	ND
Stronitium 90	pCi/L	8	2		ND	ND	ND	ND	ND	ND	ND	ND	ND
Tritium	pCi/L	20,000	1,000		ND	ND	ND	ND	ND	ND	ND	ND	ND
Uranium	pCi/L	20	1		ND	ND	ND	ND	ND	ND	ND	ND	ND
Radium 228	pCi/L	1	0.43		ND	ND	ND	ND	ND	ND	ND	ND	ND
Radium 226	pCi/L	1	0.019		ND	ND	ND	ND	ND	ND	ND	ND	ND
VOLATILE ORGANIC CONTAMINANTS													
Parameter	Units	MCL	DLR	PHG	Rosamond Plant Range	Raw Influent Sources Range	Water Bank Range	Water Bank Range	Water Bank Average	Effluent (CWR) Range	Water Bank Range	Effluent (CWR) Range	Water Bank Range
1,1,1-Trichlorethane (1,1,1-TCA)	µg/L	200	0.5	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	µg/L	1	0.5	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	µg/L	5	0.5	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	µg/L	5	0.5	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene (1,1-DCE)	µg/L	6	0.5	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	µg/L	5	0.5	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-DCB)	µg/L	600	0.5	600	ND	ND	ND	ND	ND	ND	ND	ND	ND

Antelope Valley-Eastern Water Agency
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Parameter	Units	MCL	DLR	PHG	Raw Influent (Sources)	Rosamond Plant	Water Bank
					Range	Average	Range
1,2-Dichloroethane (1,2-DCA)	µg/L	0.5	0.5	0.4	ND	ND	ND
1,2-Dichloropropane	µg/L	5	0.5	0.5	ND	ND	ND
1,3-Dichloropropene (Total)	µg/L	0.5	0.5	0.2	ND	ND	ND
1,4-Dichlorobenzene (p-DCB)	µg/L	5	0.5	6	ND	ND	ND
Benzene	µg/L	1	0.5	0.15	ND	ND	ND
Carbon Tetrachloride	µg/L	0.5	0.5	0.1	ND	ND	ND
cis-1,2-Dichloroethylene (c-1,2-DCE)	µg/L	6	0.5	100	ND	ND	ND
cis-1,3-Dichloropropene	µg/L	100	0.5	0.5	ND	ND	ND
Dichloromethane (Methylene Chloride)	µg/L	5	0.5	4	ND	ND	ND
Ethylbenzene	µg/L	300	0.5	300	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	µg/L	13	3	13	ND	ND	ND
Monochlorobenzene (Chlorobenzene)	µg/L	70	0.5	70	ND	ND	ND
Styrene	µg/L	100	0.5	0.5	ND	ND	ND
Tetrachloroethylene (PCE)	µg/L	5	0.5	0.06	ND	ND	ND
Toluene	µg/L	150	0.5	150	ND	ND	ND
trans-1,2-Dichloroethylene (t-1,2-DCE)	µg/L	10	0.5	60	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	5	0.5	1.7	ND	ND	ND
Trichloroethylene (TCE)	µg/L	150	5	1300	ND	ND	ND
Trichlorofluoromethane (Freon 11)	µg/L	1200	10	4000	ND	ND	ND
Trichlorotrifluoroethane (Freon 113)	µg/L	0.5	0.5	0.05	ND	ND	ND
Vinyl Chloride (VC)	µg/L	1750	0.5	1800	ND	ND	ND
Xylenes (Total)							

SYNTHETIC ORGANIC CHEMICALS

Parameter	Units	MCL	DLR(DL)	PHG	Raw Influent (Sources)	RESULTS	Water Bank
					Range	Average	Range
Alachlor	µg/L	2	1	4	ND	ND	ND
Atrazine	µg/L	1	0.5	0.15	ND	ND	ND
Bentazon	µg/L	18	2	200	ND	ND	ND
Benz(a)pyrene	µg/L	0.2	0.1	0.007	ND	ND	ND
Carbofuran	µg/L	18	5	0.7	ND	ND	ND
Chlordane	µg/L	0.1	0.1	0.03	ND	ND	ND
2,4-D	µg/L	70	10	20	ND	ND	ND
Dalapon	µg/L	200	10	790	ND	ND	ND
Dibromochloropropane (DBCP)	µg/L	0.2	0.01	0.0017	ND	ND	ND
Di(2-ethylhexyl)adipate	µg/L	400	5	200	ND	ND	ND
Di(2-ethylhexyl)phthalate	µg/L	4	3	12	ND	ND	ND
Dinoseb	µg/L	7	2	14	ND	ND	ND
Diquat	µg/L	20	4	6	ND	ND	ND
Endothall	µg/L	100	45	94	ND	ND	ND
Endrin	µg/L	2	0.1	0.3	ND	ND	ND
Ethylene Dibromide (EDB)	µg/L	0.05	0.02	0.01	ND	ND	ND
Glyphosate	µg/L	700	25	900	ND	ND	ND
Heptachlor	µg/L	0.01	0.01	0.008	ND	ND	ND
Heptachlor Epoxide	µg/L	0.01	0.01	0.006	ND	ND	ND
Hexachlorobenzene	µg/L	1	0.5	0.03	ND	ND	ND
Lindane	µg/L	50	1	2	0.032	ND	ND
Methoxychlor	µg/L	0.2	0.2	0.09	ND	ND	ND
Molinate	µg/L	30	10	1	ND	ND	ND
Oxamy	µg/L	20	2	26	ND	ND	ND
Pentachlorophenol	µg/L	1	0.2	0.3	ND	ND	ND
Picloram	µg/L	500	1	166	ND	ND	ND

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

Parameter	Units	MCL/MRL	DLR	MRDLG	RESULTS
Distribution Chlorine (as total Cl ₂)	mg/L	4.0**	4	0.01-1.52	1.0†
Treated Water Total Organic Carbon (TOC)	mg/L			0.7 - 4.2	2.0
Source Water Total Organic Carbon (TOC)	mg/L			0.8 - 4.7	2.9
Distribution Stage 2 D/DBP Rule Total Trihalomethanes µg/L	µg/L	80**	0.5	14 - 99	46 #
Distribution Stage 2 D/DBP Rule Total Haloacetic Acids µg/L	µg/L	60**	0.5	ND - 30	11 #
Treated Water Bromate	µg/L	10	1.0	ND - 4.2	0.4

** Running Annual Average of distribution system samples. The MCL's are based upon Running Annual Averages.

Stage 2 D/DBP Rule Total THMs and Total HAAs compliance is based upon Locational Running Annual Averages.

* 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 quadrillion (ppq)

µhos = micromhos, a measure of specific conductance

pCi/L = pico Curries 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 to water treatment that may not be 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 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.