

2021 Consumer Confidence Report

Water System Name: Desert Lake Community Services District Report Date: May 31, 2022

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 we 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, 2021.

The 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. 2 is located east of Borax Road and 2 ½ miles South of Rio Tinto Minerals. Well No. 1 is located one block north of 20 Mule Team Road and one block east of Borax Road. 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 2021 Consumer Confidence Report for your review within this mailing.

If you have any questions about this report or concerns about the district utility system, please contact the General Manager, Natalie Russell at 661-363-3350 or the District Secretary, DeAnna Love at 760-762-5349, Tuesday through Thursday, 9:00 a.m. to 5:00 p.m. The office is closed for lunch between 12:00 p.m. and 1:00 p.m. Our regularly scheduled monthly board meetings are held the third Monday of each month at the district office board room located at 12200 Del Oro Street in Desert Lake 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.

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: State Board 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 (µg/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)

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 State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board 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 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 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.

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)	09/17/2019 10	ND	0	15	0.2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	09/17/2019 10	.320	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)	2021	.61	1.6 – 4.6	[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 2020. DESERT LAKE 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 Date	Level Detected	Range of Detections	MCL [MRDL]	Typical Source of Contaminant
Total Trihalomethanes (ppb)	6/19/2021	18	NA	80	By-product of drinking water chlorination
Total Haloacetic Acids (ppb)	6/19/2021	4.0	NA	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 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.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the calendar year 2021, we collected Nitrate samples from the Standby Well 02 within the specified timeframe per our approved DBP monitoring plan. During the calendar year 2021, total Nitrate in June 2021, the results were 6.8 mg/L.

**Antelope Valley-East Kern Water Agency
2021 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: **0.12 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: AVEK 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 clearwell.

Lowest single free chlorine residual measurement during the year: **0.92**

Number of violations of the Groundwater Rule: **NONE**

MICROBIOLOGICAL CONTAMINANTS										
Type of Sample(s)	Parameter	Sampling Frequency	MCL	No. of Months in Violation		System Results				
Distribution	Total Coliform Bacteria	56 - 70 / mo	5% positive	None		Range	Average			
Distribution	E. coli	56 - 70 / mo	1 pos. with 2 TC pos.	None		0% 0%	0%			
INORGANIC CONTAMINANTS										
RESULTS										
Parameter	Units	MCL	DLR	PHG	Rosamond Plant		Water Bank		Wells	
					Plant Effluent (CWR)	Raw Influent (Sources)	Effluent (CWR)			
Aluminum	µg/L	1000	50	600	Range ND-120	Range ND-100	Range ND	Range ND	Range ND	Average ND
Antimony	µg/L	6	6	1	ND	ND	ND	ND	ND	ND
Arsenic	µg/L	10	2	0.004	3.7-4.2	3.4-8.7	5.3	3.4-7.0	5.2	2.2-22
Barium	µg/L	1000	100	2000	59	ND	ND			ND
Beryllium	µg/L	4	1	1	ND	ND	ND			ND
Cadmium	µg/L	5	1	0.04	ND	ND	ND			ND
Chromium (Total)	µg/L	50	10	1	7.1	6.7-16	12			ND
Chromium (Hexavalent)	µg/L	*	1	0.02	5.1-6.5	6.6-15	11			2.9
Cyanide	µg/L	150	100	150	ND	ND	ND			ND
Fluoride	mg/L	2	0.1	1	0.27	0.26-0.33	0.31			0.15
Lead	µg/L	15	5.0	0.2	ND	ND	ND			0.15
Mercury	µg/L	2	1	1.2	ND	ND	ND			ND
Nickel	µg/L	100	10	12	ND	ND	ND			ND
Nitrate (as N)	mg/L	10	0.4	10	2.6	1.6-2.6	2.0			2.6
Nitrite (as N)	mg/L	1	0.4	1	ND	ND	2			ND
Nitrate+Nitrite (as N)	mg/L	10	10	10	2.5	1.6-2.6	2			2.7
Perchlorate	µg/L	6	2	1	ND	ND	ND			ND
Selenium	µg/L	50	5	30	ND	ND	ND			ND
Thallium	µg/L	2	1	0.1	ND	ND	ND			0.64
Asbestos	MFL	7	0.2	7	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
2021 Annual Water Quality Report - Kern County System

GENERAL PHYSICAL AND SECONDARY STANDARDS

Parameter	Units	MCL	DLR	Rosamond Plant		Water Bank	
				Plant Effluent (CWR) Range Average	Raw Influent (Sources) Range Average	Effluent (CWR) Range Average	Wells Range Average
Aluminum	µg/L	1000	50	ND-120	53	ND-100	63-93
Calcium	mg/L	no standard		58	28-59	42	75
Chloride	mg/L	250		55	37-57	49	54-91
Color	Units	15		<5	ND	<5	<5
Copper	µg/L	1000	50	ND	ND	ND	ND
Foaming Agents (MBAS)	mg/L	0.5		ND	ND	ND	ND
Hardness (Total) as CaCO3	mg/L	no standard		180	88-180	140	220
Iron	µg/L	300	100	ND	ND	ND	ND
Magnesium	mg/L	no standard		9.1	5.6-10	8.2	8.5
Manganese	µg/L	50	20	ND	ND	ND	ND
Odor @ 60 C	Units	3	1	<1	ND	<1	<1
pH	Units	no standard		7.7	ND	8.0	7.6
Silver	µg/L	100	10	ND	ND	ND	ND
Sodium	mg/L	no standard		43	44-50	48	43
Specific Conductance	µmhos	900		580	410-570	500	650
Sulfate	mg/L	250	0.5	52	46-62	55	56
Thiobencarb (Bolero)	µg/L	1	1	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	mg/L	5	3	ND	ND	ND	ND
Total Dissolved Solids	mg/L	500		360	270-360	320	390
Turbidity	Units	5		0.05	0.10	0.10	0.05
Zinc	µg/L	5000	50	520	ND	ND	ND
Total Alkalinity (as CaCO3)	mg/L	no standard		130	93-140	120	150
Bicarbonate Alkalinity(as HCO3)	mg/L	no standard		160	110-160	130	180
Carbonate (as CO3)	mg/L	no standard		ND	ND	ND	ND
Hydroxide (as OH)	mg/L	no standard		ND	ND	ND	ND

RADIOLOGICAL CONTAMINANTS

Parameter	Units	MCL	DLR	Rosamond Plant		Water Bank	
				Raw Influent Sources Range Average	Wells Range Average	Raw Influent Sources Range Average	Wells Range Average
Gross Alpha	pCi/L	15	3	ND	ND	ND-9.4	5.3
Gross Beta	pCi/L	50	4	ND	ND	ND-9.4	5.3
Strontium 90	pCi/L	8	2	ND	ND	ND-9.4	5.3
Tritium	pCi/L	20,000	1,000	0.35	4.8-6.9	0.35	5.9
Uranium	pCi/L	20	1	0.43	5.9	0.43	5.9
Radium 228	pCi/L		1	0.019		0.019	
Radium 226	pCi/L		1	0.05		0.05	

VOLATILE ORGANIC CONTAMINANTS

Parameter	Units	MCL	DLR	Rosamond Plant		Water Bank	
				Raw Influent (Sources) Range Average	Wells Range Average	Raw Influent (Sources) Range Average	Wells Range Average
1,1,1-Trichlorethane (1,1,1-TCA)	µg/L	200	0.5	ND	ND	ND	ND
1,1,2,2-Tetrachlorethane	µg/L	1	0.5	ND	ND	ND	ND
1,1,2-Trichlorethane (1,1,2-TCA)	µg/L	5	0.5	ND	ND	ND	ND
1,1-Dichlorethane (1,1-DCA)	µg/L	5	0.5	ND	ND	ND	ND
1,1-Dichloroethylene (1,1-DCE)	µg/L	6	0.5	ND	ND	ND	ND
1,2,4-Trichlorobenzene	µg/L	5	0.5	ND	ND	ND	ND
1,2-Dichlorobenzene (o-DCB)	µg/L	600	0.5	ND	ND	ND	ND

**Antelope Valley-East Kern Water Agency
2021 Annual Water Quality Report - Kern County System**

Parameter	Units	MCL	DLR	PHG	Rosamond Plant		Water Bank Wells	
					Raw Influent (Sources)	Average	Range	Average
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-Dichloropropane (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	5	0.5	4	ND	ND	ND	ND
Dichloromethane (Methylene Chloride)	µg/L	300	0.5	300	ND	ND	ND	ND
Ethylbenzene	µg/L	13	3	13	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	µg/L	70	0.5	70	ND	ND	ND	ND
Monochlorobenzene (Chlorobenzene)	µg/L	100	0.5	0.5	ND	ND	ND	ND
Styrene	µg/L	5	0.5	0.06	ND	ND	ND	ND
Tetrachloroethylene (PCE)	µg/L	150	0.5	150	ND	ND	ND	ND
Toluene	µg/L	10	0.5	60	ND	ND	ND	ND
trans-1,2-Dichloroethylene (t-1,2-DCE)	µg/L	5	0.5	1.7	ND	ND	ND	ND
trans-1,3-Dichloropropene	µg/L	150	5	1300	ND	ND	ND	ND
Trichloroethylene (TCE)	µg/L	1200	10	4000	ND	ND	ND	ND
Trichlorofluoromethane (Freon11)	µg/L	5	0.5	0.05	ND	ND	ND	ND
Trichlorotrifluoroethylene (Freon 113)	µg/L	5	0.5	1800	ND	ND	ND	ND
Vinyl Chloride (VC)	µg/L	1750	0.5		ND	ND	ND	ND
Xylenes (Total)	µg/L							

SYNTHETIC ORGANIC CHEMICALS

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

RESULTS

Antelope Valley-East Kern Water Agency
2021 Annual Water Quality Report - Kern County System

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

DISINFECTION RESIDUAL, PRECURSORS, and BYPRODUCTS

Type of Sample(s)	Parameter	Units	MCL/MRDL	DLR	MRDLG	RESULTS	
						Range	Average
Distribution	Chlorine (as total Cl ₂)	mg/L	4.0**		4	0.42-1.37	1.05
Treated Water	Total Organic Carbon (TOC)	mg/L	Treatment Requirement	0.3		0.47-0.90	0.57
Source Water	Total Organic Carbon (TOC)	mg/L	Treatment Requirement	0.3		0.40-0.85	0.53
Distribution	Stage 2 D/DBP Rule Total Trihalomethanes	µg/L	80**			16-23	20 #
Distribution	Stage 2 D/DBP Rule Total Haloacetic Acids	µg/L	60**			2.3-3.2	2.7 #
Treated Water	Bromate	µg/L	10*			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

pcu/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 exceed 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.