2022 Consumer Confidence Report

(NOTE: Consumer should keep this report until June 2024)

Water System Name: **New Avenue Mutual Water Company** Report Date: 06/30/23

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, 2022.

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

Type of water source(s) in use: Wells

Name & location of source(s): Well 4300771-001 (Duke Well), 4300771-002 (New Ave Well),Well 4300771-003 (East Duke Well),

(Note: The State well numbers 001 & 002 reverse the System's local well 1 & 2 numbering scheme, therefore all tests are listed simply as "Duke" or "New" to reduce confusion.)

Drinking Water Source Assessment information: The Department of Health Services started a Source Water Assessment of our wells in 2000. Our wells are most vulnerable to the following activities **not** associated with any detected contaminants: Septic Systems – Low Density; Crops, irrigated and non-irrigated. A copy of the complete assessment may be viewed by contacting: Department of Public Health, Santa Clara District Office, 850 Marina Bay Parkway, Bldg P-2, Richmond, CA 94804. (510) 620-3474.

For more information, contact Charles "Steven" Keen *Phone:* (408) 968-0767

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 level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.

Maximum Residual Disinfectant Level Goal (MRDLG): 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 U.S. Environmental Protection Agency.

Primary Drinking Water Standards (PDWS): MCLs or 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 which 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)

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*, which 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, and septic systems.
- *Radioactive contaminants*, which 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, USEPA and the state Department of Health Services (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 must provide the same protection for public health.

Tables 1, 2, 3, 4, and 5 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old.

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants (to be completed only if there was a detection of bacteria)	**Highest No. of detections**	**No. of months in violation**	**MCL**	**MCLG**	**Typical Source of Bacteria**
Total Coliform Bacteria	(In a mo.) 0	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or *E. coli*	(In the year) 0	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or *E. coli*	0	Human and animal fecal waste

TABLE 2 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (to be completed only if there was a detection of lead or copper in the last sample set)	**No. of samples collected**	**90th percentile level detected**	**No. Sites exceeding AL**	**AL**	**MCLG**	**Typical Source of Contaminant**
Lead (ppb) September 2022	5	ND	0	15	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits.
Copper (ppm) September 2022	5	0.31	0	1.3	0.17	Internal corrosion of household water 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**	**New Well**	**Duke Well**	**East Duke Well**	**MCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Sodium (ppm)	12/22	83	59	100	none	none	Generally found in ground and surface water
Hardness (ppm)	12/22	210	250	200	none	none	Generally found in ground and surface water
Manganese (ppb)	02/22 05/22 08/22 11/22	NA	NA	100 28 40 790	50	none	Leaching from natural deposits

Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided on the next page.

TABLE 4 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	New Well	Duke Well	East Duke Well	MCL	PHG (MCLG)	Typical Source of Contaminant
Aluminum (ppm)	12/20	ND	ND	ND	1	N/A (N/A)	Erosion of natural deposits; residue from some surface water treatment processes
Barium (ppm)	12/22	0.10	0.17	0.16	1	N/A (2)	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Fluoride (ppm)	12/22	0.18	0.16	0.18	2	1 (N/A)	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Gross Alpha Activity (pCi/L)	11/15	1.45	1.45	3.32	15	N/A 0	Erosion of natural deposits.
Hexavalent Chromium (ppb)	11/14	1.2	ND	ND	10	0.02	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
Nitrate as nitrate, NO3 (ppm)	07/22	5.4	5.8	0.75	10	10 (N/A)	Runoff and leaching from fertilizer use: leaching from septic tanks, sewage: erosion of natural deposits
Perchlorate (ppb)	12/12	ND	ND	ND	6	6 (N/A)	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, or dispose of perchlorate and its salts
Selenium (ppb)	12/19	ND	ND	ND	50	NA (50)	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
Turbidity (NTU)	12/22	0.16	0.29	ND	TT	NA (N/A)	Soil Runoff
TTHMs [Total Trihalomethanes] (ppb)	06/22	ND	ND	ND	80	NA (N/A)	Byproduct of drinking water chlorination
Halocetic Acids (ppb)	06/22	ND	ND	ND	10	NA (N/A)	Byproduct of drinking water disinfection

TABLE 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	New Well	Duke Well	East Duke Well	MCL	PHG (MCLG)	Typical Source of Contaminant
Total Dissolved Solids (ppm)	12/22	400	420	460	1500	N/A	Runoff/leaching from natural deposits
Specific Conductance (micromhos)	12/22	770	740	790	2200	N/A	Substances that form ions when in water; seawater influence
Chloride (ppm)	12/22	54	67	61	600	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	12/22	33	20	30	600	N/A	Runnoff/leaching from natural deposits; industrial wastes

Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided below.

OTHER INFORMATION

TABLE 6 - DETECTION OF UNREGULATED CONTAMINANTS						
Chemical or Constituent	**Sample Date**	**New Well**	**Duke Well**	**East Duke Well**	**Action Level**	**Health Effects Language**
Trichloropropane (1,2,3-TCP)	12/21	ND	ND	ND	5 ppt	Some people who use water containing 1,2,3-trichloropropane in excess of the notification level over many years may have an increased risk of getting cancer, based on studies in laboratory animals.

We also tested for 62 Volatile Organic Chemicals in December 2018. None were detected in the wells.
We also tested for Synthetic Organic Chemicals in December 2020. None detected in the wells.

Additional General Information On Drinking Water

All 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).

Summary Information for Contaminants Exceeding an MCL or AL, or a Violation of any Treatment or Monitoring and Reporting Requirements

None

New Avenue Mutual Water Company – Operations Contacts

Name	Position	Contact for	Phone
Jackie DeSalvo	Water billing	Billing questions	408-842-4764
Steve Keen	Treatment Operator	Water quality, company-side leaks or maintenance	408-968-0767

New Avenue Mutual Water Company – Board Members

Jim Armstong	Board Member	Policy questions	408-848-3221
Jae Schwartz	Board Member	Policy questions	408-892-2887
Mike DiPietro	Board Member	Policy questions	408-842-4499
Alan Heinzen	Board Member	Policy questions	408-848-2116
Joe Cardinalli	Board Member	Policy questions	408-847-3694

Please note:

1. All water received from the New Avenue Mutual Water Company system must be metered.
2. All new meters should register in cubic feet (not gallons).
3. Common hydrants and hydrant faucets may be used only by the CDF and system operators.
   Water trucks and contractors are NOT authorized to fill at fire hydrants.
   Please report any unauthorized water usage to Steve Keen, any Board Member, or the sheriff.
4. Leaks on the customer's side of the meter are the customer's responsibility.

IF YOU INTEND TO SELL YOUR HOUSE, GIVE A COPY OF THIS REPORT TO THE REALTOR.
Most of our water tests are on a three-year or six-year repeat cycle.