

CITY OF SIGNAL HILL

2022 CONSUMER CONFIDENCE REPORT

Since 1991, California water utilities have been providing information on water served to its consumers. This report, prepared May 2023, is a snapshot of the tap water quality that we provided last year. Included are details about where your water comes from, how it is tested, what is in it, and how it compares with state and federal limits. We strive to keep you informed about the quality of your water, and to provide a reliable and economic supply that meets all regulatory requirements.

Where Does My Tap Water Come From?



Your tap water comes from 2 sources: groundwater and surface water. We pump groundwater from local, deep wells. We also use Metropolitan Water District of Southern California's (MWD)

surface water from both the Colorado River and the State Water Project in northern California. These water sources supply our service area shown on the adjacent map. The quality of our groundwater and MWD's surface water supplies is presented in this report.

How is My Drinking Water Tested?

Your drinking water is tested regularly for unsafe levels of chemicals, radioactivity and bacteria at the source and in the distribution system. We test weekly, monthly, quarterly, annually or less often depending on the substance. State and federal laws allow us to test some substances less than once per year because their levels do not change frequently. All water quality tests are conducted by specially trained technicians in state-certified laboratories.

What Are Drinking Water Standards?

The U.S Environmental Protection Agency (USEPA) limits the amount of certain substances allowed in tap water. In California, the State Water Resources Control Board (State Water Board) regulates tap water quality by enforcing limits that are at least as stringent as the Federal EPA's. Historically, California limits are more stringent than the Federal ones.

There are two types of these limits, known as standards. Primary standards protect you from substances that could potentially affect your health. Secondary standards regulate substances that affect the aesthetic qualities of water. Regulations set a Maximum Contaminant Level (MCL) for each of the primary and secondary standards. The MCL is the highest level of a substance that is allowed in your drinking water.

Public Health Goals (PHGs) are set by the California Environmental Protection Agency. PHGs provide more information on the quality of drinking water to customers, and are similar to their federal counterparts, Maximum Contaminant

Level Goals (MCLGs). PHGs and MCLGs are advisory levels that are nonenforceable. Both PHGs and MCLGs are concentrations of a substance below which there are no known or expected health risks.

How Do I Read the Water Quality Table?

Although we test for over 100 substances, regulations require us to report only those found in your water. The first column of the water quality table lists substances detected in your water. The next columns list the average concentration and range of concentrations found in your drinking water. Following are columns that list the MCL and PHG or MCLG, if appropriate. The last column describes the likely sources of these substances in drinking water.

To review the quality of your drinking water, compare the highest concentration and the MCL. Check for substances greater than the MCL. Exceedence of a primary MCL does not usually constitute an immediate health threat. Rather, it requires testing the source water more frequently for a short duration. If test results show that the water continues to exceed the MCL, the water must be treated to remove the substance, or the source must be removed from service.

Why Do I See So Much Coverage in the News About the Quality Of Tap 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, including 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, agricultural application, 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, the USEPA and the State Water Resources Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The State Water Board regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

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 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). You can also get more information on tap water by logging on to these helpful web sites:

- <https://www.epa.gov/ground-water-and-drinking-water/safe-drinking-water-information>
(USEPA's web site)
- http://www.waterboards.ca.gov/drinking_water/certification/drinkingwater/NotificationLevels.shtml
(State Board web site)

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. The City of Signal Hill 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/lead>.

Should I Take Additional Precautions?

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. The USEPA/Centers for Disease Control guidelines on appropriate means to lessen the risk of infection of *Cryptosporidium* and other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Source Water Assessment

MWD completed an assessment of its Colorado River and State Water Project supplies in 2002. Colorado River supplies are considered most vulnerable to recreation, urban/storm water runoff, increasing urbanization in the watershed, and wastewater. State Water Project supplies are considered most vulnerable to urban/storm water runoff, wildlife, agriculture, recreation and wastewater. A copy of the assessment can be obtained by contacting MWD at (213) 217-6450.

The City of Signal Hill conducted an assessment of its groundwater supplies in January 2003. Groundwater supplies

are considered most vulnerable to chemical/petroleum processing/storage, metal plating/finishing/fabricating, dry cleaners, automobile gas stations, automobile body shops, automobile repair shops, junk/scrap/salvage yards, and plastics/synthetics producers. A copy of the approved assessment may be obtained by contacting the City of Signal Hill Water Department at (562) 989-7251 or at www.cityofsignalhill.org.

How Can I Participate in Decisions On Water Issues That Affect Me?

The public is welcome to attend our City Council meetings held the second and fourth Tuesdays of each month at 7:00 p.m. at 2175 Cherry Avenue, Signal Hill, CA 90755

How Do I Contact My Water Agency If I Have Any Questions About Water Quality?

If you have specific questions about your tap water quality, please contact Cecil Looney at (562) 989-7251.

Some Helpful Water Conservation Tips

- Fix leaky faucets in your home – save up to 20 gallons every day for every leak stopped
- Save between 15 and 50 gallons each time by only washing full loads of laundry
- Adjust your sprinklers so that water lands on your lawn/garden, not the sidewalk/driveway – save 500 gallons per month
- Use organic mulch around plants to reduce evaporation – save hundreds of gallons a year
- Visit <http://www.epa.gov/watersense> for more information.

Visit us at www.cityofsignalhill.org

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Results are from the most recent testing performed in accordance with state and federal drinking water regulations
The State allows monitoring for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative, are more than one year old.

PRIMARY STANDARDS MONITORED AT THE SOURCE-MANDATED FOR PUBLIC HEALTH							
ORGANIC CHEMICALS (µg/l) (a)	TREATED GROUNDWATER		MWD'S SURFACE WATER		PRIMARY MCL	MCLG or PHG	MAJOR SOURCES IN DRINKING WATER
	AVERAGE	RANGE	AVERAGE	RANGE			
Benzene (ug/l) (l)	2.6	ND - 6.0	ND	ND	1	0.15	Discharge from plastics, dyes, and nylon factories; leaching from gas storage tanks and landfills. Some people who use water containing benzene in excess of MCL over many years may experience anemia or a decrease in blood platelets, and may have an increased risk of getting cancer.
INORGANICS Sampled from 2020 to 2022 (b)							
Aluminum (mg/l)	ND	ND	0.15	0.05 - 0.24	1	0.6 (c)	Erosion of natural deposits; residue from surface water treatment processes
Arsenic (µg/l) (d)	2.5	ND - 6.0	ND	ND	10	0.004	Erosion of natural deposits; glass/electronics production wastes; runoff from orchards. Some people who drink water containing arsenic in excess of the MCL over many years may experience skin damage or circulatory system problems, and may have an increased risk of getting cancer.
Barium (mg/l)	0.02	ND - 0.05	0.11	0.11	1	2 (c)	Oil drilling waste and metal refinery discharge; erosion of natural deposits
Fluoride (mg/l) (l)	0.4	0.3 - 0.5	0.70	0.4 - 0.9	2.0	1 (c)	Erosion of natural deposits, water additive that promotes strong teeth
Nitrate (mg/l as N)	ND	ND	ND	ND	10	10 (c)	Runoff and leaching from fertilizer use/septic tanks/sewage, natural erosion
RADIOLOGICAL - (pCi/l) (Results are from 2018-2022) (b)							
Gross Alpha	1.3	ND - 4.0	ND	ND - 3.0	15 (f)	0	Erosion of natural deposits
Gross Beta	NA	NA	6.0	ND - 9.0	50	0	Decay of natural and man-made deposits
Radium 226	ND	ND	ND	ND	5 (e)	0.05	Erosion of natural deposits
Radium 228	ND	ND	ND	ND - 1.0		0.019	Erosion of natural deposits
Uranium	0.08	ND - 0.23	2	1.0 - 3.0	20 (f)	0.43 (c)	Erosion of natural deposits
PRIMARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM - MANDATED FOR PUBLIC HEALTH							
MICROBIALS (m)	DISTRIBUTION SYSTEM		PRIMARY		MCLG or PHG		
	AVERAGE # POSITIVE	RANGE OF # POSITIVE	MCL				
Total Coliform Bacteria	0.0	0	< 1 positive	0		Naturally present in the environment	
Fecal Coliform and E.Coli Bacteria	0	0	0	0		Human and animal fecal waste	
No. of Acute Violations	0	0	-	-			
	DISTRIBUTION SYSTEM		PRIMARY		MCLG or PHG		
	AVERAGE	RANGE	MCL				
Turbidity (NTU)	0.22	0.16 - 0.54	TT	-		Soil runoff	
DISINFECTION BY-PRODUCTS (f) AND DISINFECTION RESIDUALS	DISTRIBUTION SYSTEM		PRIMARY		MCLG or PHG		
	HIGHEST RUNNING AVERAGE	RANGE	MCL				
Total Trihalomethanes-TTHMS (µg/l)	37.4	4.2 - 38.7	80	-		By-product of drinking water chlorination	
Haloacetic Acids (µg/l)	12.0	0.0 - 13.0	60	-		By-product of drinking water disinfection	
Total Chlorine Residual (mg/l) (m)	0.5	0.01 - 3.66	4.0 (h)	4.0 (i)		Drinking water disinfectant added for treatment	
AT THE TAP PHYSICAL CONSTITUENTS 30 sites sampled in 2020	DISTRIBUTION SYSTEM		ACTION LEVEL		MCLG or PHG		
	90%ile (j)	# OF SITES ABOVE THE AL	AL				
Copper (mg/l)	0.16	0	1.3 AL	0.3 (c)		Internal corrosion of household plumbing, erosion of natural deposits	
Lead (µg/l)	4.1	0	15 AL	2 (c)		Internal corrosion of household plumbing, industrial manufacturer discharges	

SECONDARY STANDARDS MONITORED AT THE SOURCE-FOR AESTHETIC PURPOSES

Sampled from 2020 to 2022	TREATED GROUNDWATER		MWD'S SURFACE WATER		SECONDARY	MCLG	
	AVERAGE	RANGE	AVERAGE	RANGE	MCL	or PHG	
Aggressiveness Index (corrosivity)	12.2	12.1 - 12.2	12.5	12.4 - 12.5	Non-corrosive	-	Natural/industrially-influenced balance of hydrogen/carbon/oxygen in water
Aluminum (µg/l) (k)	ND	ND	148	58 - 240	200	600 (c)	Erosion of natural deposits, surface water treatment process residue
Chloride (mg/l)	40	20 - 60	101.5	98 - 105	500	-	Runoff/leaching from natural deposits, seawater influence
Color (color units) (l)	1.4	1.0 - 5.0	1	1	15	-	Naturally-occurring organic materials
Specific Conductance (uS/cm)	537.5	370 - 830	990	964 - 992	1,600	-	Substances that form ions when in water, seawater influence
Iron (µg/l) (d)	1.2	ND - 32	ND	ND	300	-	Leaching from natural deposits, industrial wastes
Manganese (µg/l) (d)	0.2	ND - 11	ND	ND	50	-	Leaching from natural deposits
Odor (threshold odor number) (l)	1	ND - 1.0	3.0	3.0	3	-	Naturally-occurring organic materials.
Sulfate (mg/l)	14.3	0.7 - 28	221.5	212 - 232	500	-	Runoff/leaching from natural deposits, industrial wastes
Total Dissolved Solids (mg/l)	305	200 - 430	633	608 - 648	1,000	-	Runoff/leaching from natural deposits
Turbidity (NTU)	0.72	0.1 - 1.4	ND	ND	5	-	Soil runoff

SECONDARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM-FOR AESTHETIC PURPOSES

GENERAL PHYSICAL CONSTITUENTS	DISTRIBUTION SYSTEM		SECONDARY	MCLG	
	AVERAGE	RANGE	MCL	or PHG	
Color (color units)	1.0	1.0	15	-	Naturally-occurring organic materials
Odor (threshold odor number)	1.0	1.0	3	-	Naturally-occurring organic materials

ADDITIONAL CHEMICALS OF INTEREST

Sampled from 2020 to 2022	TREATED GROUNDWATER		MWD'S SURFACE WATER	
	AVERAGE	RANGE	AVERAGE	RANGE
Alkalinity (mg/l)	160	150 - 170	127	125 - 128
Boron (µg/l)	NA	NA	135	130 - 140
Calcium (mg/l)	21.5	11.0 - 32.0	69.0	66.0 - 71.0
Chlorate (ug/l)	NA	NA	89	88 - 90
Magnesium (mg/l)	2.3	2.0 - 2.5	25.5	24 - 26
N-Nitrosodimethylamine (NDMA) (ng/l)	NA	NA	ND	ND - 3.3
pH (standard unit)	8.3	8.1 - 8.4	8.1	8.1
Potassium (mg/l)	1.95	1.9 - 2.0	4.6	4.4 - 4.8
Sodium (mg/l)	69.5	48 - 91	99	95 - 103
Total Hardness (mg/l)	62.5	36 - 89	278.5	275 - 281
Total Organic Carbon (mg/l)	NA	NA	2.5	1.7 - 2.6

FOOTNOTES

- (a) Over 50 regulated and unregulated **organic** chemicals were analyzed.
- (b) Indicates dates sampled for groundwater sources only.
- (c) California Public Health Goal (PHG). Other advisory levels listed in this column are federal Maximum Contaminant Level Goals (MCLGs).
- (d) While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The US Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems. **For this well system, the filtration treatment technique is used to remove arsenic, iron, and manganese from the water prior to distribution. The data located on the water quality table is representative from the City's treated groundwater and MWD's treated surface water. Water after treatment is in compliance and below the MCL.**
- (e) State MCL is 5 pCi/L for combined Radium-226 and -228.
- (f) MCL compliance based on 4 consecutive quarters of sampling.
- (g) Running annual average used to calculate average, range, and MCL compliance.
- (h) Maximum Residual Disinfectant Level (MRDL)
- (i) Maximum Residual Disinfectant Level Goal (MRDLG)
- (j) 90th percentile from the most recent sampling at selected customer taps.
- (k) Aluminum has primary and secondary standards.
- (l) This well system uses treatment for benzene, color and odor for one of the wells prior to distribution. The data located on the water quality table is representative from the distribution system in 2022. Water after treatment is in compliance.

ABBREVIATIONS

(<) = less than

NA = constituent not analyzed

NTU = nephelometric turbidity units

SI = saturation index

ND = constituent not detected at the reporting limit

pCi/l = picoCuries per liter

uS/cm = microSiemens per centimeter

mg/l = milligrams per liter or parts per million (equivalent to 1 drop in 42 gallons)

ng/l = nanograms per liter or parts per trillion (equivalent to 1 drop in 42,000,000 gallons)

µg/l = micrograms per liter or parts per billion (equivalent to 1 drop in 42,000 gallons)

Summary Information for Contaminants Exceeding an MCL, MRDL, AL or Violation of Any TT or Monitoring and Reporting Requirements**(m) SURFACE WATER TREATMENT RULE DISINFECTION TREATMENT PERFORMANCE STANDARDS VIOLATION MARCH AND MAY 2022**

CCR, Title 22, Section 64654 (b)(2), requires that residual disinfectant concentration of samples collected from the distribution system shall be detectable in at least 95 percent of the samples taken each month. The State Water Board received and reviewed the City's 2022 monthly reports containing chlorine residuals results, which were taken at the same time and same distribution system locations as the total coliform samples. In March and May 2022, a sample from each month had total chlorine residual measurements less than the reporting detection limit of 0.1 mg/L and heterotrophic plate count (HPC) greater than 500 CFU/ml. The City collected a total of 12 distribution system residual samples in March and 15 distribution system residual samples in May, and the percentage of samples with detectable chlorine or HPC less than or equal to 500 CFU/ml for each month was 92% and 93% respectively. Therefore, the State Water Board has determined that the City was in violation of disinfection treatment performance standards of CCR, Title 22, Section 64654 (b)(2) due to failure to maintain detectable residual disinfectant in at least 95 percent of the samples taken during the months of March and May 2022.

DEFINITIONS

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.

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.

Notification Level: The level at which notification of the public water system governing body is required. A health-based advisory level for an unregulated contaminant.

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.

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.

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 Water Standards (SDWS): MCLs and MRDLs for contaminants that affect the aesthetic qualities, such as taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Variances and Exemptions: State Water Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

UNREGULATED CONTAMINANT MONITORING REGULATION (UCMR-4)

The Safe Drinking Water Act requires the Environmental Protection Agency (EPA) to identify unregulated contaminants for potential regulations. Every five years, EPA identifies a list of unregulated contaminants to be monitored for by the nation's water utilities over a three year period. This occurred in 2018-2020 with the fourth UCMR (UCMR-4). The City of Signal Hill has monitored for a total of 30 chemical contaminants from its wells along with a corresponding sampling from the distribution system reflecting water from each well. Unregulated contaminant monitoring helps USEPA and the State Water Resources Control Board to determine where certain contaminants occur and whether the contaminants need to be regulated. Once EPA has obtained this occurrence data nationally, they are required to determine if there is a meaningful opportunity for increased health protection of drinking water by regulating these contaminants. The findings from this monitoring are reported in this year's Consumer Confidence Report.

FOURTH UNREGULATED CONTAMINANT MONITORING REGULATION (UCMR4)

Monitored in 2020				
CHEMICALS PARAMETERS	AVERAGE	RANGE	Minimum Reporting Level	USE OR ENVIRONMENTAL SOURCE
Germanium (ug/l)	0.3	ND - 0.5	0.3 ug/l	Naturally-occurring element; commercially available in combination with other elements and minerals; a byproduct of zinc ore processing; used in infrared optics, fiber-optic systems, electronics and solar applications.
Manganese (ug/l)	1.8	1.4 - 2.1	0.4 ug/l	Naturally-occurring element; commercially available in combination with other elements and minerals; used in steel production, fertilizer, batteries and fireworks; drinking water and wastewater treatment chemical; essential nutrient.

CIUDAD DE SIGNAL HILL

INFORME DE CONFIANZA DE CONSUMIDOR de 2022

Desde 1991, las agencias proveedoras de recursos hidráulicos de California han emitido información sobre el agua que se provee al consumidor. Este informe, preparado en mayo de 2023, es una instantánea de la calidad del agua del grifo que brindamos el año pasado. Incluimos detalles sobre el origen del agua que toma, cómo se analiza, que contiene, y cómo se compara con los límites estatales y federales. Nos esforzamos por mantenerle informado sobre la calidad de su agua, y proveerle un abastecimiento confiable y económico que cumpla con todos los requisitos.

¿De Dónde Proviene el Agua que Tomo?

Su agua de la llave proviene de 2 fuentes: de las aguas naturales (subterránea) y de aguas superficiales (de los ríos). Bombeamos aguas naturales de profundos pozos locales. También usamos agua superficial de la agencia Metropolitan Water District del Sur de California (MWD) importada del Río Colorado y del proyecto State Water Project del Norte de California. Estas dos fuentes de agua nos abastecen en las áreas de servicio que se muestran en el mapa adjunto. Este reporte informa sobre la calidad de nuestra agua subterránea y el abastecimiento del agua superficial del MWD.

¿Cómo Se Analiza Mi Agua Potable?

El agua que toma se analiza regularmente para asegurarnos de que no halla niveles altos de sustancias químicas, de radioactividad o de bacteria en el sistema de distribución y en las tomas de servicios. Estos análisis se llevan a cabo semanal, mensual, trimestral, y anualmente o con más frecuencia, dependiendo de la sustancia analizada. Bajo las leyes estatales y federales, se nos permite analizar algunas sustancias menos frecuentemente que los periodos anuales porque los resultados no cambian.

¿Cuales Son Los Estándares del Agua Potable?

La Agencia federal de Protección al Medio Ambiente (USEPA) impone los límites de las cantidades de ciertos contaminantes en el agua potable. En California, la Junta de Control de Recursos Hídricos del Estado (State Water Board) regula la calidad del agua de beber siguiendo normas que sean al menos tan estrictas como las normas federales. Históricamente, los estándares de California han sido más estrictos que los federales.

Hay dos tipos de límites conocidos como estándares. Los estándares primarios lo protegen de sustancias que potencialmente podrían afectar su salud. Las normas establecen los Niveles Contaminantes Máximos (MCL, en inglés) que se permite del contaminante primario o secundario en el agua de beber. Los abastecedores de agua deben asegurarse de que la calidad de esta cumpla con los Niveles Contaminantes Máximos (o MCLs, en inglés). No todas las sustancias tienen un Nivel Contaminante Máximo. El plomo y el cobre, por ejemplo, son regulados, por cierto nivel de acción. Si cualquier sustancia química sobrepasa el nivel de acción, se dará la necesidad de un proceso de tratamiento para rebajar los niveles en el agua de beber. Los abastecedores de agua deben cumplir con los Niveles Contaminantes Máximos para asegurar la calidad del agua.

Las Metas para la Salud Pública (MSP [o PHGs, en inglés]) son establecidas por la agencia estatal de California-EPA. Las

PHGs proveen más información con respecto a la calidad del agua, y son similares a los reglamentos federales nombrados Metas para Los Niveles de Contaminante *Máximos* (MNCM [o MCLGs, en inglés]). Las PHGs y MCLGs son metas a nivel

recomendable. Las PHG y MCLG son ambas definidas como los niveles de contaminantes en el agua potable por debajo de los niveles donde no se esperan riesgos a la salud y no enforzables. Ambos niveles PHG y MCLG son concentraciones de una sustancia en las que no hay riesgos a la salud aún conocidos.

¿Cómo Interpreto Mi Informe de Calidad del Agua?

Aunque analizamos más de 100 sustancias, las normas nos requieren que reportemos solo aquellas que se encuentran en el agua. La primer columna en la tabla de la calidad de agua muestra la lista de las sustancias detectadas en el agua. La siguiente columna muestra la lista de la concentración promedio y el rango de concentraciones que se hallan encontrado en el agua que usted toma. En seguida están las listas de el MCL, el PHG y el MCLG, si estos son apropiados. La última columna describe las probables fuentes u origen de las sustancias detectadas en el agua potable.

Para revisar la calidad de su agua de beber, compare los valores por encima del promedio, mínimos y máximos y el Nivel Contaminante Máximo. Revise todos los químicos que se encuentran por encima del Nivel Contaminante Máximo. Si los químicos sobrepasan el Nivel Contaminante Máximo no significa que sea detrimental a la salud de inmediato. Más bien, se requiere que se realicen análisis más frecuentemente en el abastecimiento del agua por un corto periodo. Si los resultados muestran sobrepasar el MCL, el agua debe ser tratada para remover esa sustancia, o el abastecimiento de esta debe decomisionarse.

¿Por Qué Hay Tanta Publicidad Sobre La Calidad Del Agua Potable?

Las fuentes del agua potable (de ambas agua de la llave y agua embotellada) incluye ríos, lagos, arroyos, lagunas, embalses, manantiales, y pozos. Al pasar el agua por la superficie de los suelos o por la tierra, se disuelven minerales que ocurren al natural, y en algunas ocasiones, material radioactivo, al igual que pueden levantar sustancias generadas por la presencia de animales o por actividades humanas.

Entre los contaminantes que pueden existir en las fuentes de agua se incluyen:

- Contaminantes microbiales como los virus y la bacteria, los que pueden venir de las plantas de tratamiento de aguas negras, de los sistemas sépticos, de las operaciones de ganadería, y de la vida salvaje;
- Contaminantes inorgánicos, como las sales y los metales, los cuales pueden ocurrir naturalmente o como resultado del desagüe pluvial, industrial, o de alcantarillado, producción de gas natural y petróleo, minas y agricultura.
- Pesticidas y herbicidas, los cuales pueden venir de varias fuentes tales como la agricultura, del desagüe pluvial, y de usos residenciales;

- Contaminantes de otras sustancias químicas orgánicas, incluyendo químicos orgánicos volátiles y sintéticos que son productos de procesos industriales y de la producción de petróleo, y que pueden provenir de las estaciones de gasolina, desagües pluviales urbanos, y agricultura aplicación y de sistemas sépticos;
- Contaminantes radioactivos, los cuales pueden ocurrir naturalmente o que pueden ser resultados de las actividades de la producción de gas natural y minería.

A fin de asegurar que el agua de la llave es segura para beber, la Agencia de Protección Ambiental de Los Estados Unidos (USEPA) y el Tablero de Control de Recursos de Echar agua Estatal (Bordo Estatal) prescriben regulaciones que limitan la cantidad de ciertos contaminantes en el agua proporcionada por sistemas de agua públicas. Los reglamentos de Bordo Estatal también establecen límites para contaminantes en el agua embotellado que debe proporcionar la misma protección para la salud pública.

Toda el agua potable, incluyendo el agua embotellada, puede contener cantidades pequeñas de ciertos contaminantes. La presencia de contaminantes no necesariamente indica que haya algún riesgo de salud. Para más información acerca de contaminantes y riesgos a la salud favor de llamar a la USEPA encargada de proteger el agua potable al teléfono (1-800-426-4791). Usted puede obtener más información sobre el agua potable al conectarse al Internet en los siguientes domicilios:

- <https://www.epa.gov/ground-water-and-drinking-water/safe-drinking-water-information> (el sitio Web del USEPA)
- http://www.waterboards.ca.gov/drinking_water/certification/drinkingwater/NotificationLevels.shtml (sitio Web de Bordo Estatal)

Si presente, los niveles elevados del plomo pueden causar el problemas de salud serio, sobre todo para mujeres embarazadas y chiquitos. El plomo en el agua potable es principalmente de materiales y componentes asociados con líneas de servicios y a casa fontanería. La Ciudad de la Colina de Señal es responsable de proporcionar el agua potable de alta calidad, pero no puede controlar la variedad de materiales usados en la fontanería de componentes. Cuando su agua ha estado sentándose durante varias horas, usted puede minimizar el potencial para la exposición de plomo limpiando con agua su grifo durante 30 segundos a 2 minutos antes de usar el agua para beber o cocinarse. Si usted está preocupado por el plomo en su agua, usted puede desear hacer probar su agua. La información en el plomo en el agua potable, probando métodos, y pasos que usted puede tomar para minimizar la exposición está disponible de la Línea directa de Agua Potable Segura o en <http://www.epa.gov/lead>.

¿Debería Tomar Otras Precauciones?

Algunas personas pueden ser más vulnerables a los contaminantes en el agua potable que el público en general. Las personas que tienen problemas inmunológicos, o sea esas personas que estén en tratamiento por medio de quimioterapia cancerosa; personas que tienen órganos transplantados, o personas con SIDA o desórdenes inmunológicos, personas de edad avanzada, y los bebés que son particularmente susceptibles a ciertas infecciones. Estas personas deben de consultar a sus proveedores de salud médica. Las guías de la USEPA/Centros de Control de Enfermedades aconsejan cómo

disminuir los riesgos para prevenir la infección de Cryptosporidium y otros contaminantes microbiales están disponibles por teléfono de la USEPA encargada de proteger el agua potable al teléfono (1-800-426-4791).

Valoración de su Abastecimiento de Agua

El distrito Metropolitano de agua del Sur de California completo una valoración de su abastecimiento del Río Colorado y del Proyecto de Agua del Estado en el 2002. El abastecimiento del Río Colorado es considerado más vulnerable a la recreación, al agua que corre de la ciudad después de una tormenta, a la creciente urbanización en la cuenca, y aguas residuales. El Proyecto de abastecimiento de agua del Estado es considerado más vulnerable al agua que corre de la ciudad después de una tormenta, a la fauna, la agricultura, la recreación, y aguas residuales. Teléfono el distrito Metropolitano de agua del Sur de California para un copie de una valoración al (213) – 217-6450.

La Ciudad de la Colina de Señal condujo una evaluación de sus provisiones de agua subterránea en el enero de 2003. Las provisiones de agua subterránea son consideradas el más vulnerables a procesamiento/almacenaje químico/de petróleo, enchapado/acabamiento/fabricación metálico, secan a encargados de limpieza, gasolineras de coche, tiendas de cuerpo de coche, tiendas de reparación de autos, desechan/desechan/salvan yardas, y productores de plásticos/fibras sintéticas. Una copia del informe de evaluación pueden obtenerse poniéndose en contacto con la ciudad de Signal Hill Departamento de Agua al (562) 989-7251.

¿Cómo Puedo Participar en las Decisiones Sobre Asuntos Acerca del Agua Que Me Puedan Afectar ?

El público es bienvenido a asistir a las reuniones del Ayuntamiento llevan a cabo el segundo y cuarto martes de cada mes a las 19:00 en el 2175 Cherry Avenue, Signal Hill, CA 90755

¿Cómo Me Pongo En Contacto Con Mi Agencia del Agua Si Tengo Preguntas Sobre La Calidad Del Agua?

Si usted tiene preguntas específicas sobre su calidad de agua del grifo, por favor póngase en contacto con Cecil Looney en (562) 989-7251.

Algunas extremidades provechosas de la conservación del agua

- Arreglar los grifos que gotean en su hogar - excepto hasta 20 galones cada día por cada detenido de fugas
- Guardar entre 15 y 50 galones por cada vez que el lavado sólo cargas completas de ropa
- Ajuste sus regaderas de modo que el agua caiga en su césped / jardín, no la acera / calzada - excepto 500 galones por mes
- Utilice pajote orgánico alrededor de las plantas para reducir la evaporación - guardar cientos de galones por año

Visite <http://www.epa.gov/watersense> para obtener más información.

Visítenos en la página www.cityofsignalhill.org

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.

Tradúzcalo o hable con alguien que lo entienda bien.

City of Signal Hill Did Not Meet Treatment Requirement (Disinfection)

The City of Signal Hill's water system recently violated a drinking water standard. Although this is not an emergency, as a customer, you have a right to know what you should do, what happened, and what is being done to correct this situation.

The City routinely monitors for disinfectant residual in the distribution system. This measurement tells us whether we are effectively disinfecting the water supply. Disinfectant residual is the amount of chlorine or related disinfectant present in the pipes of the distribution system. If the amount of disinfectant is too low, organisms could grow in the pipes.

California Code of Regulations Title 22 disinfection treatment performance standards requires samples collected from the distribution system to have detectable residual disinfectant concentrations be or HPC less than or equal to 500 CFU/ml in at least 95 percent of the samples taken each month. The California State Water Resource Control Board (SWRCB), through the Division of Drinking Water, recently reviewed all monthly test reports submitted by the City for the year of 2022 and during the months of March and May, disinfectant residuals were undetected and HPC counts were greater than 500 CFU/ml in more than 5 percent of samples. One out of twelve samples in March 2022 and one of fifteen samples in May 2022 had no detectable chlorine residual and contained HPC counts greater than 500 CFU/ml. Therefore, the City did not meet the performance standards as required in Title 22 of California Code of Regulations. High HPC may indicate the presence of microorganisms in the water system, however it is critical to note that there was **no presence of coliform or *E. coli* (harmful bacteria)** detected in any tested samples for year 2022. The cause for low chlorine residual and high HPC is likely due to lower than average circulation of water caused by lower usage.

What should you do?

- **You do not need to boil your water or take other actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Tests taken during this same time period did not indicate the presence of bacteria in the water.
- Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. These symptoms,

however, are not caused only by organisms in drinking water, but also by other factors. If you experience any of these symptoms and they persist, you may want to seek medical advice.

- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you may wish to consult with your doctor.

What happened? What is being done?

The City's disinfection treatment program includes regular treatment with chlorine and ammonia at Gundry Reservoir. After treatment at Gundry Reservoir, the potable water is then distributed to two other reservoirs: Temple Reservoir and Hilltop Reservoir. The City has determined that the high HPC was caused by low chlorine content in the distribution system and can be corrected by installing an additional chlorination station at Temple Reservoir. The additional chlorination station will enable the City to boost the chlorine content in the City's distribution system downstream of Gundry Reservoir and provide additional treatment system redundancy.

The City will continue monitoring total chlorine and HPC levels. As an interim measure, the City will manually chlorinate reservoir(s) that serve water to zone(s) with disinfectant residuals of less than 0.2 mg/L or an HPC count of 100 CFU/ml -300 CFU/ml. HPC counts approaching 400 CFU/ml will trigger a complete flushing of the system and immediate notification to SWCRB. Sufficient chlorine will be manually added to the reservoir(s) with a goal to maintain a residual total chlorine level of 1 – 1.5 mg/L in the water distribution system. The amount of total chlorine in the distribution system will not exceed 4.0 mg/L at any given time. Additionally, the City will develop and submit a plan to mitigate occurrence of non-detectable or low total chlorine residuals and revise and submit the existing Nitrification Monitoring and Control Plan for the Division of Drinking Water's approval. For more information, please contact Cecil Looney at 562-989-7251 or 2175 E 28th St, Signal Hill, CA 90755.

The City of Signal Hill is committed to continue providing safe drinking water to all its customers.

Please share this information with all other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [per Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by City of Signal Hill Water Department

State Water System Number: 1910149

Date distributed: February 27, 2023

CITY OF SIGNAL HILL
2175 EAST 28TH STREET
SIGNAL HILL, CA 90755

CITY OF SIGNAL HILL 2022 CONSUMER CONFIDENCE REPORT



Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien. Para obtener una copia en Español, llame a (562) 989-7253

Daimntawv tshaj tawm no muaj lus tseemceeb txog koj cov dej haus.
Tshab txhais nws, los yog tham nrog tej tug neeg uas totaub txog nws.

此份有关你的食水报告,内有重要资料和讯息,请找
他人替你翻译及解释清楚。

この情報は重要です。
翻訳を依頼してください。

Chi tiết này thật quan trọng.
Xin nhờ người dịch cho quý vị.

이 안내는 매우 중요합니다.
본인을 위해 번역인을 사용하십시오.