

KEY WATER QUALITY TERMS

Following are definitions of key terms referring to standards and goals of water quality noted on the adjacent data table.

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 to monitor and control 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.

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.

Primary Drinking Water Standard (PDWS) - MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standard (SDWS) - Secondary MCLs do not have PHGs or MCLGs because secondary MCLs are set to protect the aesthetics of water and PHGs and MCLGs are based on health concerns.

MONITORING COMPLIANCE INFORMATION

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

DRINKING WATER SOURCE WATER

ASSESSMENT

Groundwater: An assessment of the City of Hollister Groundwater

Well Sources (Hollister Wells #1 through #6 and Cullum #1 and #2) was completed in February 2006. Summaries of the results may be viewed at the locations presented further in this section. Currently, three wells are out of service indefinitely. These sources are considered most vulnerable to the following activities not associated with any detected contaminants: Agricultural, residential and municipal activities, septic and sewer collection systems, farm machinery, gas stations, chemical/petroleum processing/storage, utility stations- maintenance areas, dry cleaners, parking lots, and malls.

LESSALT Surface Water Treatment Plant: An assessment of the LESSALT Water Treatment Plant Surface Water Source was completed in March 2009. This source is considered most vulnerable to the following activities not associated with any detected contaminants: Recreational Area, Government Agency Equipment Storage, Road, Streets, Septic Systems, Sewer Collection Systems, Grazing Animals, Farm Machinery, Wells and Irrigation.

West Hills Surface Water Treatment Plant: In 2017 the City of Hollister, in partnership with Sunnyslope County Water District and San Benito County Water District, began sending to residents better quality water from the brand new West Hills Surface Water Treatment Plan. An assessment of this source was completed in April 2014. This source is most vulnerable to the following activities not associated with any detected contaminates: Recreational Area, Government Agency Equipment Storage, Road, Streets, Septic Systems, Sewer Collection Systems, Grazing Animals, Farm Machinery, Wells and Irrigation.

Copies of the summaries of the completed assessments may be viewed or obtained at:

State Water Resources Control Board
Division of Drinking Water
Monterey District Office
1 Lower Ragsdale Dr. Bldg 100, Ste 120
Monterey, CA 93940
Phone: 831-655-6939

or

City of Hollister
Utilities Division
1321 South St
Phone: 831-636-4377

2020 HOLLISTER DRINKING WATER QUALITY DATA

The table below lists all 2020 (January 1st - December 31st, 2020), unless noted otherwise, detected drinking water contaminants and the information about their typical sources. Contaminants below detection limits for reporting are not shown, in accord with regulatory guidance. The State allows us to monitor for some contaminants less than once per year because the concentrations do not change frequently. Some of our data, while representative, are more than one year old.

***NOTE: The results for TTHM's and HAA5's are based on an LRAA**

DISTRIBUTION SYSTEM							
PRIMARY REGULATED CONTAMINANTS	UNIT	MCL	PHG (MCLG)	RANGE	AVERAGE OR [MAX]	VIOLATION	MAJOR SOURCES OF CONTAMINANT
MICROBIOLOGICAL CONTAMINANTS							
Total Coliform Bacteria	-	1	0	(0)	0	NO	Naturally present in the environment
Fecal Coliform or E. coli	-	1	0	(0)	0	NO	Human and animal fecal waste
Turbidity	NTU	5	5	(ND - 6.6)	0.36	NO	Soil runoff
DISINFECTION BY-PRODUCTS							
TTHM	PPB	80	N/A	(21 - 68)	73*	YES	Byproduct of drinking water disinfection
HAA5	PPB	60	N/A	(3 - 14)	12*	NO	Byproduct of drinking water disinfection
Chlorine	PPM	4	N/A	(0 - 2.8)	1.3	NO	Drinking water disinfectant added for treatment
LEAD AND COPPER	UNITS	AL	PHG	No. of Sites	No. of Sites over AL	90th Percentile	MAJOR SOURCES OF CONTAMINANT
Copper (8-10-17)	PPM	1.3	0.17	31	0	0.37	Internal corrosion of household water plumbing systems
Lead (8-10-17)	PPB	15	N/A	31	1	ND	Internal corrosion of household water plumbing systems

SOURCE WATER								
PRIMARY REGULATED CONTAMINANTS	COH WELLS Avg (Range) Date	LESSALT Avg (Range) Date	SSCWD Avg (Range) Date	WEST HILLS Avg (Range) Date	UNITS	MCL	PHG (MCLG)	MAJOR SOURCES OF CONTAMINANT

RADIOACTIVE CONTAMINANTS								
Gross Alpha	ND	2.03 1/30/20	4.91 (5.7-8.11) 1/9/20	1.67 1/30/20	pCi/L	15	0	Erosion of natural deposits
Radium 228	0.07 (ND - 0.22) 1/14/19	0.290 1/30/20	0.01 1/10/19	0.052 1/30/20	pCi/L	5	0.019	Erosion of natural deposits
Radium 226	0.04 (ND - 0.12) 1/14/19	0.085 1/30/20	0.67 1/10/19	0.204 1/30/20	pCi/L	5	0.019	Erosion of natural deposits
Uranium	3.55 (1.33 - 9) 12/5/07	N/A	2.9 (2.7 - 3.1) 10/7/14	N/A	pCi/L	20	0.43	Erosion of natural deposits
Strontium-90	N/A	N/A	0.09 (ND - 0.75) 4/6/11	N/A	pCi/L	8	0.35	Decay of natural and man-made deposits

INORGANIC CONTAMINANTS								
Aluminum	ND	ND	ND	ND	PPM	1	0.6	Erosion of natural deposits
Arsenic	1.58 (ND - 3.1) 6/3/20	2.9 1/7/20	2.1 (ND - 2.1) 4/15/20	ND	PPB	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes.
Copper	14.5 (ND - 87) 9/16/15	N/A	N/A	N/A	PPB	1.3	0.3	Leaching from natural deposits
Chromium, Total	5.4 (ND - 14) 6/3/20	ND	7.2 (ND - 13) 4/6/17	ND	PPB	50	100	Discharge from steel and pulp mills and chrome plating;erosion of natural deposits
Nitrate as N	3.62 (1.8 - 5.8) 10/6/20	0.58 1/30/20	2.54 (1.2 - 4.3) 10/7/20	0.52 1/30/20	PPM	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Selenium	1.06 (ND - 4.9) 12/5/19	ND	1.22 (ND - 6.1) 4/15/20	ND	PPB	50	30	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
Fluoride	0.28 (ND - 0.41) 6/3/20	ND	0.244 (0.18 - 0.35) 4/15/20	ND	PPM	2	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
SECONDARY REGULATED CONTAMINANTS	COH WELLS Avg (Range) Date	LESSALT Avg (Range) Date	SSCWD Avg (Range) Date	WEST HILLS Avg (Range) Date	UNITS	MCL	MAJOR SOURCES OF CONTAMINANT	

INORGANIC CHEMICALS								
Iron	26 (ND - 290) 10/6/20	0.11 1/30/20	0.5 (ND - 0.14) 1/9/20	ND	PPB	300	Leaching from natural deposits; industrial wastes	
Manganese	2 (ND - 30) 10/6/20	0.02 1/30/20	ND	ND	PPB	50	Leaching from natural deposits	

SOURCE WATER (CONT.)							
SECONDARY REGULATED CONTAMINANTS	COH WELLS Avg (Range) Date	LESSALT Avg (Range) Date	SSCWD Avg (Range) Date	WEST HILLS Avg (Range) Date	UNITS	MCL	MAJOR SOURCES OF CONTAMINANT
GENERAL MINERAL AND PHYSICAL							
Chloride	76.53 (24 - 120) 10/6/20	68 1/30/20	123.4 (97-150) 1/9/20	68 1/30/20	PPM	N/A	Runoff/leaching from natural deposits
Color	.5 (ND - 5) 9/3/20	30 UW 1/30/20	6 (5 - 10) 1/9/20	30 UW 1/30/20	UNITS	15	Naturally-occurring organic materials
Hydroxide	136.67 (ND - 420) 9/16/15	N/A	N/A	N/A	PPM	N/A	Due to chemicals naturally occurring in the soil below the earth's surface
Specific Conductance (EC)	962 (300 - 1600) 10/6/20	430 (420 - 4400) 7/16/20	1280 (1100-1500) 1/9/20	460 7/27/20	um-hos/cm	1600	Substances that form ions when in water;
Sulfate as SO4	165.6 (24 - 300) 10/6/20	34 1/30/20	226 (190-260) 1/9/20	35 1/30/20	PPM	500	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	600.67 (180 - 930) 10/6/20	380 1/30/20	796 (750-830) 1/9/20	250 1/30/20	PPM	1000	Runoff/leaching from natural deposits
Turbidity	1.6 (ND - 9.3) 10/14/14	0.02 TW (.02-.04) 12/31/20	0.434 (0.26-0.82) 1/9/20	0.03 TW (.02-.11) 12/31/20	NTU	5	Soil runoff

ADDITIONAL WATER QUALITY INFORMATION						<div>TABLE KEY</div> <div>AL - Action Limit</div> <div>COH - City of Hollister</div> <div>LRAA - Locational Running Annual Average</div> <div>N/A - Not Applicable in this situation</div> <div>ND - Not Detected</div> <div>NTU - Nephelometric Turbidity Unit</div> <div>pCi/L - Picocuries per liter (a measure of radioactivity)</div> <div>PPB - Parts Per Billion</div> <div>PPM - Parts Per Million</div> <div>RAA - Running Annual Average</div> <div>SSCWD - Sunnyslope County Water District</div> <div>TW - Untreated Water</div> <div>UW - Untreated Water</div>
DETECTED CONTAMINANTS	COH WELLS Avg (Range) Date	LESSALT Avg (Range) Date	SSCWD Avg (Range) Date	WEST HILLS Avg (Range) Date	UNITS	
Bicarbonate	237.93 (ND - 420) 10/6/20	88 1/30/20	344 (310 - 360) 1/9/20	90 1/30/20	PPM	
Boron	.498 (ND - .97) 10/6/20	140 9-11-18	880 (830-930) 9/6/18	N/A	PPM	
Calcium	52.87 (30 - 75) 10/6/20	21 1/30/20	66 (60 - 69) 4/15/20	21 1/30/20	PPM	
Hardness, Total	341.8 (99 - 533) 10/6/20	110 1/30/20	403 (370 - 430) 1/9/20	100 1/30/20	PPM	
Magnesium	51.07 (5.6 - 84) 10/6/20	13 1/30/20	60 (55 - 68) 1/9/20	12 1/30/20	PPM	
pH	7.43 (6.59 - 7.96) 10/6/20	7.7 (6.4-8.5) 1/30/20	8.02 (8 - 8.1) 1/9/20	7.7 (6.4-8.5) 1/30/20	pH Units	
Sodium	84.67 (19 - 140) 10/6/20	51 1/30/20	128 (120-140) 1/9/20	49 1/30/20	PPM	
Total Alkalinity as CaCO3	238.93 (70 - 502) 10/6/20	72 1/30/20	284 (250 - 300) 1/9/20	74 1/30/20	PPM	

DISTRIBUTION SYSTEM					
UNREGULATED CONTAMINANTS	COH Avg (Range) Date	LESSALT Avg (Range) Date	SSCWD Avg (Range) Date	WEST HILLS Avg (Range) Date	UNITS
Bromochloroacetic acid	3.7 (1.8 - 6.9) 11/21/18	N/A	2.09 (.94 - 3) 12/3/18	N/A	PPB
Bromodichloroacetic acid	.4 (ND - 1.2) 11/21/18	N/A	.94 (<MRL - 1.5) 12/3/18	N/A	PPB
Chlorodibromoacetic acid	1.9 (1 - 3.4) 11/21/18	N/A	2.24 (.82 - 3.1) 12/3/18	N/A	PPB
Dibromoacetic acid	10.2 (5.6 - 19) 11/21/18	N/A	15.4 (2.2 - 48) 12/3/18	N/A	PPB
Dichloroacetic acid	1.3 (.7 - 2.7) 11/21/18	N/A	.59 (.26 - 1) 12/3/18	N/A	PPB