



CITY OF PORT HUENEME CONSUMER CONFIDENCE REPORT 2021



The City of Port Hueneme (City) is committed to providing complete and accurate information regarding the safety of the water you drink. The State Water Resources Control Board (SWRCB) requires the City to send an annual Consumer Confidence Report (CCR) to all customers regarding the water quality they received during the previous calendar year. The City tests its water as required by SWRCB regulations and reports these results each month. Additionally, Tri-annual inspections of the operational policies and procedures at the City are conducted. All of this is done to ensure the safety of your drinking water.

This CCR summarizes the 2021 water quality test results performed by the City, United Water Conservation District (United), Port Hueneme Water Agency (PHWA), and Calleguas Municipal Water District (Calleguas). It also includes details about where your water comes from, what it contains, and how it compares to State standards. Water constituents are listed under the appropriate water quality standard and include the maximum contaminant level, federal maximum contaminant level goal or the California public health goal, and the range of results. Water testing is routinely performed for bacteria, disinfectant residual, minerals, radioactivity, inorganic and organic chemicals, and other water quality parameters.

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

Where Does My Water Come From?

The City receives its water from the PHWA treatment plant. PHWA provides treatment to groundwater that comes from United. United's water comes from groundwater located in the El Rio area of Ventura County. This water is pumped from wells drilled into the Oxnard and Fox Canyon aquifers. These two aquifers, which are naturally high in minerals, are fed by the Santa Clara River drainage basin. The drainage basin receives water from various sources such as rivers, streams, wastewater treatment plants, and agricultural runoff.

United completed a Source Water Assessment for the drinking water wells. This assessment provides a survey of potential sources of contamination of the ground water that supplies the wells. Activities that constitute the highest risk to the water are: Petroleum storage tanks and fueling operations, septic systems, and animal feed lots that are no longer in use. The Surface Water Sanitary Survey was last updated in February

2021. A copy of the Source Water Assessment or the Surface Water Sanitary Survey is available from United at 805-525-4431.

Calleguas receives water from Metropolitan Water District of Southern California (MWD). MWD completed a Source Water Assessment for both the State Water Project and Colorado River supply. Activities that constitute the highest risk to the water are: Urban and storm water runoff, increasing urbanization in the watershed, and wastewater. A copy of the Source Water Assessments are available from MWD at 800-354-4420.

PHWA's water treatment plant uses two different types of state-of-the-art membrane filtration technologies to treat United's water. These desalination techniques are known as reverse osmosis (RO) and nano-filtration (NF). Three of these units operate side-by-side and each one can produce between 1 and 1.5 million gallons of water every day. The treatment process softens the water received from United by lowering the mineral content and minimizes the corrosiveness of the water through the addition of sodium hydroxide. In addition, the water is disinfected using chloramines instead of chlorine. Chloramines have better taste, fewer odors, and reduces the formation of trihalomethane in the water, which is a known carcinogen.

Fish Owners – you should chemically remove the chloramines in the PHWA water when preparing your fish tank water. Failure to remove the chloramines could result in risk to the aquatic life in the tank.



State water imported by the MWD through Calleguas is also used at the PHWA treatment plant location and is used to meet high demand periods. MWD water comes from the Sierra Nevada Mountains in Northern California and is conveyed through the State Water Project's network of reservoirs, aqueducts, and pump stations. The State water is filtered and disinfected by MWD surface water treatment plants and brought into Ventura County by Calleguas. Calleguas brings the State water to the PHWA treatment plant where it is blended with the treated United water and then delivered to you. The blended water contains about 2.5 parts per million chloramines.

Your Water Meets EPA and State Standards. Your Tap Water is Safe to Drink.

Your water meets all United States Environmental Protection Agency (U.S. EPA) and SWRCB water quality standards. The City did not have any violations of any treatment, monitoring, or reporting requirements during 2021. None of the constituents in the drinking water exceeded the maximum contaminant levels or action levels set by the SWRCB or USEPA. The tables in this report list all of the drinking water constituents that were detected during the most recent sampling period as required by the SWRCB.

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 some 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 by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Why are Contaminants in my 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 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). In order to ensure that tap water is safe to drink, the USEPA and SWRCB prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. SWRCB regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, wastewater plants 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 before it is treated include the following:

- **Microbial Contaminants** – Viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- **Inorganic Contaminants** – Salts and metals, that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

- **Pesticides & Herbicides** – May come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- **Organic Chemicals** – Including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can, also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
- **Radioactive Contaminants** – Can be naturally-occurring or be the result of oil and gas production and mining activities.

Radon

Radon is a radioactive gas that you cannot see, taste or smell. It is found throughout the U.S. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build up to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering, washing dishes and other household activities. Compared to radon entering the home through soil, radon entering the home through tap water can produce a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air containing radon can lead to lung cancer. Drinking water containing radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home, you may test the air in your home. There are simple ways to fix a radon problem that are not too costly. For additional information, call the EPA's Radon Hotline (800-SOS-RADON).

PFAS (per and polyfluoroalkyl substances)

PFAS are used in coating for non-stick pans, food packaging, and personal hygiene products. They tend to accumulate in groundwater from run off near airports, landfills, and Military bases which use PFAS filled foam to suppress jet fuel fires. Laboratory test have shown certain types of these compound can cause adverse health effects.

How Can I Get More Information?

For additional information or questions regarding this report, please contact Evelia Hernandez, City of Port Hueneme Water Division at (805) 986-6563. You can also visit the website at www.ci.port-hueneme.ca.us for more information on water conservation and water rates.

The public is always welcome to attend the City Council meetings, which are held the 1st and 3rd Mondays of each month at 6:30 p.m. at the City of Port Hueneme Civic Center located at 250 N. Ventura Road, Port Hueneme, CA. In addition, the public is welcome to attend the PHWA Board meetings. These are monthly meeting held on the 3rd Monday at 4:00 p.m. at the City of Port Hueneme Civic Center. You can also view the meetings live or watch a recording at www.ci.port-hueneme.ca.us.

CITY OF PORT HUENEME
2021 Consumer Confidence Report

Parameter	Units	State MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Range Average	Purchased CMWD (Calleguas)	Purchased UWCD (United)	BWRDF (Blended)	COPH	Major Sources in Drinking Water
Percent of Supply						15%	85%	100%	100%	

PRIMARY STANDARDS--Mandatory Health-Related Standards

CLARITY (a)

Combined Filter Effluent Turbidity	NTU	Highest Single Value TT = % of samples <0.3 NTU				ND 100%	ND 100%	ND 100%	NA NA	Soil runoff
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MICROBIOLOGICAL

Total Coliform Bacteria	(b)	2 or 5.0%	(0)	--	Range Average	ND ND	ND ND	ND ND	ND ND	Naturally present in the environment
Fecal Coliform and <i>E. coli</i>	(b)	(b)	(0)	--	Range Average	ND ND	ND ND	ND ND	ND ND	Human & animal fecal waste

INORGANIC CHEMICALS (Lead & Copper is analyzed every three years, our last sampling event was 2020)

Fourteen samples for lead were collected from selected faucets and drinking fountains in five schools in 2018, all samples were non-detect for lead.

Aluminum	ppb	1000	600	50	Range Average	ND - 240 76	ND ND	NA NA	NA NA	Erosion of natural deposits; residue from some water treatment process
Arsenic	ppb	10	0.004	2	Range Average	ND - 4 ND	4 - 6 5	NA NA	NA NA	Erosion of natural deposits; runoff from orchards; electronics production wastes
Barium	ppb	1000	2000	100	Range Average	ND - .11 ND	ND - 25 12.5	NA NA	NA NA	Discharge from oil & metal refineries; erosion of natural deposits
Copper (90th Percentile)	ppm	AL=1.3	0.3	0.05	Range Average	ND ND	ND ND	NA NA	NA ND	Internal corrosion of household pipes; erosion of natural deposits
Treatment-related Fluoride (c)	ppm	2.0	1	0.1	Range Highest RAA	0.7 - 1.0 0.7	0.6 - 0.6 0.6	0.49 - 0.99 0.72	NA NA	Water additive that promotes strong teeth
Lead (90th Percentile)	ppb	AL=15	0.2	5	Range Average	ND ND	ND ND	ND ND	ND ND	Internal corrosion of household pipes; erosion of natural deposits
Nitrate (as N)	ppm	10	10	0.4	Range Average	ND ND	3.7 - 7.3 5.2	3.6 3.6	NA NA	Runoff & leaching from fertilizer use & sewage; erosion of natural deposits
Selenium	ppb	50	30	5	Range Average	ND ND	22 - 31 26.5	NA NA	NA NA	Discharge from refineries, mines and chemical manufacturers, runoff

RADIOLOGICALS [analyzed every three years, for four consecutive quarters (MWD sampled 2020, CMWD sampled 2020 and UWCD 2020)]

Gross Alpha Particle Activity (d)	pCi/L	15	(0)	3.0	Range Average	ND ND	4.38 - 9.25 7.71	NA NA	NA NA	Erosion of natural deposits
Uranium	pCi/L	20	0.43	1.0	Range Average	ND - 3 ND	5.11 - 6.63 5.93	NA NA	NA NA	Erosion of natural deposits

DISINFECTION BY-PRODUCTS AND DISINFECTANT RESIDUALS

Bromate (e)	ppb	10	0.1	1.0	Range Highest RAA	ND - 9.8 3.8	NA NA	NA NA	NA NA	By-product of drinking water disinfection
Total Chlorine Residual	ppm	[4.0]	[4]	--	Range Highest RAA	1.7 - 2.6 2.3	1.53 - 1.98 1.83	1.95 - 2.86 2.52	1.7 - 2.64 2.29	Drinking water disinfectant added for treatment
Haloacetic Acids (f)	ppb	60	--	1.0	Range Highest RAA	3.0 - 14 8.3	5 - 10 7.75	2 - 8 4.75	2 - 8 4.75	By-product of drinking water disinfection
Total Trihalomethanes (f)	ppb	80	--	1.0	Range Highest RAA	12.0 - 28.0 19.8	18 - 38 27.3	21 - 31 25.25	20 - 31 25.25	By-product of drinking water chlorination

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	--	--	Range Average	65 - 97 76	65 - 70 67.5	43 43	NA NA	Runoff/leaching from natural deposits; seawater influence
Color	Units	15	--	--	Range Average	ND - 2 ND	ND ND	ND ND	NA NA	Naturally occurring organic materials
Iron	ppb	300	--	100	Range Average	0 - 40 0.77	ND ND	ND ND	NA NA	Leaching from natural deposits; industrial wastes
Specific Conductance	µS/cm	1,600	--	--	Range Average	519 - 965 616	1500 - 1650 1552	770 770	NA NA	Substances that form ions when in water; seawater influence
Sulfate	ppm	500	--	0.5	Range Average	61 - 221 87.5	441 - 536 493.2	180 180	NA NA	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	ppm	1,000	--	--	Range Average	298 - 609 343	1120 - 1220 1164	530 530	NA NA	Runoff/leaching from natural deposits
Turbidity (monthly)	NTU	5	--	--	Range Average	ND ND	0.2 - 0.3 .2	ND ND	NA NA	Soil runoff

ADDITIONAL PARAMETERS (Unregulated)

Alkalinity	ppm	NS	--	--	Range Average	86 - 128 97	210 - 220 215	120 120	NA NA	
Boron	ppm	NL=1	--	0.1	Range Average	.13 - 2 .17	0.6 - 0.7 .65	.6 .6	NA NA	
Calcium	ppm	NS	--	--	Range Average	27 - 70 35.2	152 - 165 158.5	55 55	NA NA	
Corrosivity (g)	Al	NS	--	--	Range Average	12.1 - 12.5 12.23	12.7 - 12.8 12.8	12.2 12.2	NA NA	
Hardness (Total Hardness)	ppm	NS	--	--	Range Average	110 - 273 143	601 - 650 625.5	224 224	NA NA	
Hardness (Grains per Gallon)	Grains	NS	--	--	Range Average	6.4 - 15.9 8.3	35 - 38 36.5	13 13	NA NA	
Magnesium	ppm	NS	--	--	Range Average	12 - 26 14	54 - 58 56	21 21	NA NA	
PFOAS (PFBS)	ng/l	500	0	4	Range Average	ND ND	0 - 1.7 0.43	NA NA	NA NA	Run-off from airports, military bases and landfills.
PFOAS (PFHxS)	ng/l	NS	0	4	Range Average	ND ND	0 - 1.9 1.43	NA NA	NA NA	Run-off from airports, military bases and landfills.
N-Nitrosodimethylamine (NDMA)	ppt	NL=10	--	--	Range Average	ND - 2.6 2.2	NA NA	NA NA	NA NA	
pH	Units	NS	--	--	Range Average	8.1 - 8.4 8.2	7.8 7.8	7.95 7.95	NA NA	
Potassium	ppm	NS	--	--	Range Average	2.6 - 4.7 2.9	5 5	2 2	NA NA	
Radon	pCi/L	NS	--	100.0	Range Average	ND ND	44.9 - 145 97.73	NA NA	NA NA	
Sodium	ppm	NS	--	--	Range Average	61 - 101 69	96 - 101 98.5	63 63	NA NA	
Total Organic Carbon	ppm	TT	--	0.3	Range Average	.09 - 2.5 1.8	.5 - .9 .68	NA NA	NA NA	

