2021 Annual Drinking Water Quality Report

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SWDA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. At the City we consider ourselves stewards of our community's water system and work diligently to maintain the level of quality and service our customers have come to expect.

Where does my water come from?

Jetty Creek, a surface water source located a few miles North of town, has been used by the City since 1968. Ground water sources include 2 wells located within the Nedonna Beach aquifer and a 3rd at Manhattan Beach.

Current Events and Upgrades:

The Rockaway Beach Water System has been Designated an "Outstanding Performer" by the Oregon Health Authority. This new designation is a result of the most recent on-site water system review conducted by the Oregon Health Authority. This review covered the City's water treatment plant, reservoirs, distribution system, operation and maintenance procedures, monitoring, and management of the system for the purpose of evaluating our water system's capability of providing safe drinking water to the public.

Additionally, the Rockaway Beach Water System will receive approximately $314,000.00 in funding from the American Rescue Plan Act. These funds will be dedicated to the Third Ave. Reservoir Rehabilitation Project schedule for completion in 2022.

Source water assessment and its availability

A source assessment has been completed and is available from City Hall upon request, or online at the City's website at https://corb.us/vertical/sites/%7B087A747C-D4DD-4132-9CE8-8372D0E33390%7D/uploads/USWA_00708RockawayBeach.pdf

A message from the EPA

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 Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791) or visiting www.epa.gov/safewater.

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. EPA/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 EPA.

Lead contamination warning

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 Rockaway Beach Water Department is responsible for providing high quality drinking water but cannot control the variety of materials used in your homes 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 drinking 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/safewater/lead.

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 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 septic

systems, agricultural livestock operations, and wildlife; Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, domestic wastewater discharges, mining, or farming; Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses;

Organic chemical contaminants, 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, and septic systems; And 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, EPA prescribes regulations that limit the number of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

If you have any questions concerning this report or the water system, please contact Public Works Superintendent Dan Emerson at 503-374-0586 or email publicworks@corb.us. You may also address issues at any of the regularly scheduled City Council meetings held on the second Wednesday of every month at 6:00 p.m. at Rockaway Beach City Hall, 276 S. Hwy 101.

Contaminants	MCLG or MRDLG	MCL, TT, or MRDL	Your Water	Range Low	Range High	Sample Date	Violation	Typical Source
Disinfectants & Disinfectant By-Products				**2021**				
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)								
Haloacetic Acids (HAA5) (mg/L)	NA	.060	0.0177	0.0084	0.0269	2021	No	By-product of drinking water chlorination due to the reaction of organics with the chlorination.
TTHMs [Total Trihalomethanes] (mg/L)	NA	.080	0.0482	0.0362	0.0602	2021	No	By-product of drinking water disinfection due to the reaction of organics with chlorination.
				2021				
Lead - source water (ppm)	NA	0.01	ND	ND	ND	2019	No	Corrosion of household plumbing systems; Erosion of natural deposits
Nitrate [measured as Nitrogen] (mg/L)	10	10	0.614	0.614	0.624	2021	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium (optional) (ppm)	NA	MPL	10.1	NA	NA	2021	No	Erosion of natural deposits; Leaching
Microbiological Contaminants					**2021**			
Total Coliform (positive samples/month)	0	1	ND	ND	ND	2021	No	Naturally present in the environment
Turbidity (NTU)	< 0.3	1	0.03	0.03	0.15	2021	No	Soil runoff
100% of the samples were below the TT value of 1. A value less than 95% constitutes a TT violation. The highest single measurement was 0.15. Any measurement in excess of 5 is a violation unless otherwise approved by the state.								

Contaminants	MCLG	AL	Your Water	Sample Date	# Samples Exceeding AL	Exceeds AL	Typical Source
Inorganic Contaminants							
Lead - action level at consumer taps (ppb)	0	15	0.002	2019	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Copper - action level at consumer taps (ppm)	1.3	1.3	0.268	2019	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

Contaminants	MCLG or MRDLG	MCL or MRDL	Your Water	Violation	Typical Source
Arsenic (ppb)	0	10	ND	No	Erosion of natural deposits; Runoff from timber lands.
Asbestos (MFL)	7	7	ND	No	Decay of asbestos-cement water mains; Erosion of natural deposits
Uranium (ug/L)	0	30	ND	No	Erosion of natural deposits

Unit Descriptions

Term	Definition
ug/L	ug/L : Number of micrograms of substance in one liter of water
ppm	ppm: parts per million, or milligrams per liter (mg/L)

ppb	ppb: parts per billion, or micrograms per liter (µg/L)
MFL	MFL: million fibers per liter, used to measure asbestos concentration
NTU	NTU: Nephelometric Turbidity Units. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.
positive samples/month	positive samples/month: Number of samples taken monthly that were found to be positive
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.
Important Drinking Water Definitions	
Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum residual disinfection level goal. 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.
MRDL	MRDL: Maximum residual disinfectant level. 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.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level