

## Consumer Confidence Report – 2019 Covering Calendar Year – 2018

This brochure is a snapshot of the quality of the water that we provided last year. Included are the details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies. If you would like to observe the decision-making process that affect drinking water quality, please call CANADIAN CO RW, S & SWMD #5 at 405-262-1329.

Our drinking water is supplied from another water system through a Consecutive Connection (CC). To find out more about our drinking water sources and additional chemical sampling results, please contact our office at the number provided above. Your water comes from :

Source Name	Source Water Type
No other sources to display.	

Buyer Name	Seller Name
CANADIAN CO RW, S & SWMD #5	EL RENO
EL RENO	OKLAHOMA CITY
OKLAHOMA CITY	EDMOND PWA - ARCADIA

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as those 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/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 (800-426-4791).

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 EPA's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) included 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. Please contact us to obtain more information about a source water assessment and its availability.

Contaminants that may be present in sources water before we treat it include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, livestock operations and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water 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 storm water run-off, agriculture, and residential users.

Radioactive contaminants, which can be naturally occurring or the result of mining activity.

Organic contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and also come from gas stations, urban storm water run-off, and septic systems.

In order to ensure that tap water is safe to drink, EPA prescribes regulation which limits the amount of certain contaminants in water provided by public water systems. We treat our water according to EPA's regulations. Food and

Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Our water system is required to test a minimum of 1 samples per month in accordance with the Total Coliform Rule for microbiological contaminants. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public.

### Water Quality Data

The following tables list all of the drinking water contaminants which were detected during the 2018 calendar year. The presence of these contaminants does not necessarily indicate the water poses a health risk. Unless noted, the data presented in this table is from the testing done January 1- December 31, 2018. The state 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, is more than one year old.

### Terms & Abbreviations

**Maximum Contaminant Level Goal (MCLG):** the "Goal" is the level of a contaminant in drinking water below which there is no known or expected risk to human health. MCLGs allow for a margin of safety.

**Maximum Contaminant Level (MCL):** the "Maximum Allowed" MCL is 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.

**Secondary Maximum Contaminant Level (SMCL):** recommended level for a contaminant that is not regulated and has no MCL.

**Action Level (AL):** the concentration of a contaminant that, if exceeded, triggers treatment or other requirements.

**Treatment Technique (TT):** a required process intended to reduce levels of a contaminant in drinking water.

**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.

**Non-Detects (ND):** lab analysis indicates that the contaminant is not present.

**Parts per Million (ppm)** or milligrams per liter (mg/l)

**Parts per Billion (ppb)** or micrograms per liter (µg/l)

**Picocuries per Liter (pCi/L):** a measure of the radioactivity in water.

**Millirems per Year (mrem/yr):** measure of radiation absorbed by the body.

**Monitoring Period Average (MPA):** An average of sample results obtained during a defined time frame, common examples of monitoring periods are monthly, quarterly and yearly.

**Nephelometric Turbidity Unit (NTU):** a measure of the clarity of water.

Turbidity in excess of 5 NTU is just noticeable to the average person. Turbidity is not regulated for groundwater systems.

**Running Annual Average (RAA):** an average of sample results obtained over the most current 12 months and used to determine compliance with MCLs.

**Locational Running Annual Average (LRAA):** Average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

**Monitoring and Reporting (M/R):** a violation for failure to conduct regular monitoring of drinking water quality or to submit monitoring results in a timely fashion.

**Operational Evaluation Level (OEL):** a report triggered by the disinfection by-products rule.



Typical So
------------

---

---

---

drinking water

---

---

--	--

Secondary Contaminants-Non Health Based Contaminants-No Federal Maximum Contaminant Level (MCL) Established.	Collection Date	Highest Value	Range (low/high)	Unit	SMCL
No Detected Results were Found in the Calendar Year of 2018					

During the 2018 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Comments
No Violations Occurred in the Calendar Year of 2018		

Additional Required Health Effects Language:

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

There are no additional required health effects violation notices.

Some or all of our drinking water is supplied from another water system. The table below lists all of the drinking water contaminants, which were detected during the 2018 calendar year from the water systems that we purchase drinking water from.

Regulated Contaminants	Collection Date	Water System	Highest Value	Range (low/high)	Unit	MCL	MCL G	Typical Source
COMBINED RADIUM (-226 & -228)	11/13/2018	EDMOND PWA - ARCADIA	1.84	0.645 - 1.84	pCi/L	5	0	Erosion of natural deposits
COMBINED URANIUM	2/12/2018	EDMOND PWA - ARCADIA	16.1	2.3 - 16.1	µg/L	30		Erosion of natural deposits
GROSS ALPHA, EXCL. RADON & U	4/17/2018	EDMOND PWA - ARCADIA	12.6	3.8 - 12.6	pCi/L	15	0	Erosion of natural deposits
GROSS ALPHA, INCL. RADON & U	2/12/2018	EDMOND PWA - ARCADIA	22.8	5.35 - 22.8	pCi/L			Decay of natural and man-made deposits
GROSS BETA PARTICLE ACTIVITY	4/17/2018	EDMOND PWA - ARCADIA	7.29	2.21 - 7.29	pCi/L	50	0	Decay of natural and man-made deposits
RADIUM-226	8/13/2018	EDMOND PWA - ARCADIA	0.677	0.677	pCi/L		0	
RADIUM-228	11/13/2018	EDMOND PWA - ARCADIA	1.84	0.627 - 1.84	pCi/L		0	
2,4-D	11/19/2018	EDMOND PWA - ARCADIA	0.809	0.809	ppb	70	70	Runoff from herbicide used on row crops
ARSENIC	3/12/2018	EL RENO	2	2	ppb	10		Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
BARIUM	7/30/2018	EDMOND PWA - ARCADIA	0.317	0.317	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
DALAPON	5/24/2018	EL RENO	3.94	3.94	ppb	200	200	Runoff from herbicide used on rights of way
DI(2-ETHYLHEXYL) ADIPATE	7/23/2018	EDMOND PWA - ARCADIA	4.33	0.235 - 4.33	ppb	400	400	Discharge from chemical factories
DI(2-ETHYLHEXYL) PHTHALATE	7/16/2018	EDMOND PWA - ARCADIA	5.09	0.274 - 5.09	ppb	6	0	Discharge from rubber and chemical factories
FLUORIDE	12/21/2018	EL RENO	0.42	0.35 - 0.42	ppm	4	4	Natural deposits; Water additive which promotes strong teeth.
HEXACHLOROCYCLOPENTADIENE	11/26/2018	EDMOND PWA - ARCADIA	0.227	0.214 - 0.227	ppb	50	50	Discharge from chemical factories
NITRATE	1/8/2018	OKLAHOMA CITY	0.204	0.031 - 0.204	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
NITRATE-NITRITE	7/31/2018	EDMOND PWA - ARCADIA	2.13	0.29 - 2.13	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.



Secondary Contaminants	Collection Date	Water System	Highest Value	Range (low/high)	Unit	SMCL
CARBON, DISSOLVED ORGANIC (DOC)	5/7/2018	OKLAHOMA CITY	3.39	3.05 - 3.39	MG/L	
METHYL TERT-BUTYL ETHER	4/28/2016	EDMOND PWA - ARCADIA	0.98	0.98	UG/L	
SODIUM	10/29/2018	EL RENO	131	131	MG/L	
SUVA (SPECIFIC ULTRAVIOLET ABSORBANCE)	4/9/2018	OKLAHOMA CITY	2.1	1.91 - 2.1	L/MG-M	
UV ABSORBANCE @254 NM	5/7/2018	OKLAHOMA CITY	0.065	0.064 - 0.065	CM-1	

During the 2018 calendar year, the water systems that we purchase water from had the below noted violation(s) of drinking water regulations.