

# SHAWNEE CO RWD 1C

## Consumer Confidence Report – 2025

### Covering Calendar Year – 2024



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 affects drinking water quality, please call JUSTIN KRAMER at 785-256-2903.

Our drinking water is supplied from another water system through a Consecutive Connection (CC). Your water comes from:

Buyer Name	Seller Name
SHAWNEE CO RWD 1C	CITY OF TOPEKA

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.

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 5 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 2024 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, 2024. 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. **The bottom line is that the water that is provided to you is safe.**

#### 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.

# Compliance Report I

## Testing Results for: SHAWNEE CO RWD 1C

Disinfection Byproducts	Monitoring Period	Highest RAA	Range (low/high)	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2024	73	7.4 - 140	ppb	60	0	By-product of drinking water disinfection
TTHM	2024	53	35 - 66	ppb	80	0	By-product of drinking water chlorination

**There is no safe level of lead in drinking water.** Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

Lead and Copper	Monitoring Period	90 <sup>th</sup> Percentile	Range (low/high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2021 - 2023	0.032	0.0039 - 0.047	ppm	1.3	0	Corrosion of household plumbing
LEAD	2021 - 2023	1.3	0 - 11	ppb	15	0	Corrosion of household plumbing

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. SHAWNEE CO RWD 1C is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact SHAWNEE CO RWD 1C at (785) 256-2903 and Kansas Health & Environmental Labs at (785) 296-1620. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

The Revised Lead and Copper Rule requires water systems to develop and maintain a Service Line Inventory. The service line is the underground pipe that supplies your home or building with water. To view the Service Line Inventory, which lists the material type(s) for your location, you may view the inventory at:

<https://shawneeconrwd1.krwa.net/Forms-Info/Lead-Service-line-Inventory> or you may request a physical copy at 150 W 9<sup>th</sup> St. Auburn Ks, 66402.

Chlorine/Chloramines Maximum Disinfection Level	MPA	MPA Units	RAA	RAA Units
2024 - 2024	3.5000	MG/L	3.0	MG/L

During the 2024 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Comments
1/1/2024 - 3/31/2024	TOTAL HALOACETIC ACIDS (HAA5)	MCL, LRAA
4/1/2024 - 6/30/2024	TOTAL HALOACETIC ACIDS (HAA5)	MCL, LRAA
7/1/2024 - 9/30/2024	TOTAL HALOACETIC ACIDS (HAA5)	MCL, LRAA
10/1/2024 - 12/31/2024	TOTAL HALOACETIC ACIDS (HAA5)	MCL, LRAA

During the 2024 calendar year, the District experienced four water quality violations attributable to elevated haloacetic acid levels reported by the Kansas Health and Environmental Labs. In response, the District collaborated with the Kansas Department of Health and Environment (KDHE) to investigate the issue thoroughly. The investigation involved collecting and submitting multiple samples to various laboratories for comparison to identify discrepancies in testing methodologies or results. The findings from this investigation prompted the District to switch to a third-party laboratory for compliance testing. Since implementing this change, the reported results have consistently remained within compliance, ensuring improved water quality monitoring and adherence to safety standards.

Additional Required Health Effects Language:

Some people who drink water containing haloacetic acids in excess of the MCL over many years 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 2024 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	MCLG	Typical Source
ATRAZINE	5/20/2024	CITY OF TOPEKA	1.8	0.14 - 1.8	ppb	3	3	Runoff from herbicide used on row crops
BARIUM	5/20/2024	CITY OF TOPEKA	0.048	0.048	ppm	2	2	Discharge from metal refineries
FLUORIDE	1/22/2024	CITY OF TOPEKA	0.57	0.35 - 0.57	ppm	4	4	Natural deposits; Water additive which promotes strong teeth.
NITRATE	6/17/2024	CITY OF TOPEKA	1.3	0.62 - 1.3	ppm	10	10	Runoff from fertilizer use
SELENIUM	5/20/2024	CITY OF TOPEKA	1.2	1.2	ppb	50	50	Erosion of natural deposits

Secondary Contaminants	Collection Date	Water System	Highest Value	Range (low/high)	Unit	SMCL
ALKALINITY, TOTAL	5/20/2024	CITY OF TOPEKA	78	78	MG/L	300
ALUMINUM	5/20/2024	CITY OF TOPEKA	0.051	0.051	MG/L	0.05
CALCIUM	5/20/2024	CITY OF TOPEKA	42	42	MG/L	200
CHLORIDE	5/20/2024	CITY OF TOPEKA	44	44	MG/L	250
CONDUCTIVITY @ 25 C UMHOS/CM	5/20/2024	CITY OF TOPEKA	420	420	UMHO/CM	1500
CORROSIVITY	5/10/2021	CITY OF TOPEKA	1.4	1.4	LANG	0
HARDNESS, TOTAL (AS CACO3)	5/20/2024	CITY OF TOPEKA	130	130	MG/L	400
MAGNESIUM	5/20/2024	CITY OF TOPEKA	5	5	MG/L	150
METOLACHLOR	5/20/2024	CITY OF TOPEKA	1.3	1.3	ppb	
PH	5/20/2024	CITY OF TOPEKA	9.3	9.3	PH	8.5
PHOSPHORUS, TOTAL	5/20/2024	CITY OF TOPEKA	0.63	0.63	MG/L	5
POTASSIUM	5/20/2024	CITY OF TOPEKA	6.9	6.9	MG/L	100
SILICA	5/20/2024	CITY OF TOPEKA	3.6	3.6	MG/L	50
SODIUM	5/20/2024	CITY OF TOPEKA	39	39	MG/L	100
SULFATE	5/20/2024	CITY OF TOPEKA	67	67	MG/L	250
TDS	5/20/2024	CITY OF TOPEKA	250	250	MG/L	500

**Please Note: Because of sampling schedules, results may be older than 1 year.**

During the 2024 calendar year, the water systems that we purchase water from had the below noted violation(s) of drinking water regulations.

Zero Violations

During the 2024 calendar year our system participated in the Fifth Unregulated Contaminant Monitoring Rule (UCMR 5). The data collected under UCMR 5 improves understanding of the prevalence and amount of 29 per- and polyfluoroalkyl substances (PFAS) and lithium in the nation's drinking water systems. Below are those results. Additional information can be found at <https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule#a3>.

Sample Event	SE1	Sample Schedule	Feb-24	
Facility ID	3700AUBURN	Name	Consecutive Connection to the City of Topeka	
Sample Point ID	CC0037	Name	3700 Pump Station Sample Point (EP)	
Sample ID	Collection Date	Method	Analyte	Result
112882P	2/13/2024	EPA 200.7	lithium	15
122400R	10/9/2024	EPA 533	11CI-PF3OUdS	< MRL
122400R	10/9/2024	EPA 533	4:2 FTS	< MRL
122400R	10/9/2024	EPA 533	6:2 FTS	< MRL
122400R	10/9/2024	EPA 533	8:2 FTS	< MRL
122400R	10/9/2024	EPA 533	9CI-PF3ONS	< MRL
122400R	10/9/2024	EPA 533	ADONA	< MRL
122400R	10/9/2024	EPA 533	HFPO-DA	< MRL
122400R	10/9/2024	EPA 533	NFDHA	< MRL
122400R	10/9/2024	EPA 533	PFBA	< MRL
122400R	10/9/2024	EPA 533	PFBS	< MRL
122400R	10/9/2024	EPA 533	PFDA	< MRL
122400R	10/9/2024	EPA 533	PFDaA	< MRL
122400R	10/9/2024	EPA 533	PFEESA	< MRL
122400R	10/9/2024	EPA 533	PFHpA	< MRL
122400R	10/9/2024	EPA 533	PFHpS	< MRL
122400R	10/9/2024	EPA 533	PFHxA	< MRL
122400R	10/9/2024	EPA 533	PFHxS	< MRL
122400R	10/9/2024	EPA 533	PFMBA	< MRL
122400R	10/9/2024	EPA 533	PFMPA	< MRL
122400R	10/9/2024	EPA 533	PFNA	< MRL
122400R	10/9/2024	EPA 533	PFOA	< MRL
122400R	10/9/2024	EPA 533	PFOS	< MRL
122400R	10/9/2024	EPA 533	PFPeA	< MRL
122400R	10/9/2024	EPA 533	PFPeS	< MRL
122400R	10/9/2024	EPA 533	PFUnA	< MRL
112882P	2/13/2024	EPA 537.1	NEtFOSAA	< MRL
112882P	2/13/2024	EPA 537.1	NMeFOSAA	< MRL

112882P	2/13/2024	EPA 537.1	PFTA	< MRL
112882P	2/13/2024	EPA 537.1	PFTTrDA	< MRL
<b>Sample Event</b>	<b>SE2</b>	<b>Sample Schedule</b>	<b>May-24</b>	
<b>Facility ID</b>	<b>3700AUBURN</b>	<b>Name</b>	<b>Consecutive Connection to the City of Topeka</b>	
<b>Sample Point ID</b>	<b>CC0037</b>	<b>Name</b>	<b>3700 Pump Station Sample Point (EP)</b>	
<b>Sample ID</b>	<b>Collection Date</b>	<b>Method</b>	<b>Analyte</b>	<b>Result</b>
116316P	5/13/2024	EPA 200.7	lithium	12
121397R	8/27/2024	EPA 533	11CI-PF3OUdS	< MRL
121397R	8/27/2024	EPA 533	4:2 FTS	< MRL
121397R	8/27/2024	EPA 533	6:2 FTS	< MRL
121397R	8/27/2024	EPA 533	8:2 FTS	< MRL
121397R	8/27/2024	EPA 533	9CI-PF3ONS	< MRL
121397R	8/27/2024	EPA 533	ADONA	< MRL
121397R	8/27/2024	EPA 533	HFPO-DA	< MRL
121397R	8/27/2024	EPA 533	NFDHA	< MRL
121397R	8/27/2024	EPA 533	PFBA	< MRL
121397R	8/27/2024	EPA 533	PFBS	< MRL
121397R	8/27/2024	EPA 533	PFDA	< MRL
121397R	8/27/2024	EPA 533	PFDoA	< MRL
121397R	8/27/2024	EPA 533	PFEESA	< MRL
121397R	8/27/2024	EPA 533	PFHpA	< MRL
121397R	8/27/2024	EPA 533	PFHpS	< MRL
121397R	8/27/2024	EPA 533	PFHxA	< MRL
121397R	8/27/2024	EPA 533	PFHxS	< MRL
121397R	8/27/2024	EPA 533	PFMBA	< MRL
121397R	8/27/2024	EPA 533	PFMPA	< MRL
121397R	8/27/2024	EPA 533	PFNA	< MRL
121397R	8/27/2024	EPA 533	PFOA	< MRL
121397R	8/27/2024	EPA 533	PFOS	< MRL
121397R	8/27/2024	EPA 533	PFPeA	< MRL
121397R	8/27/2024	EPA 533	PFPeS	< MRL
121397R	8/27/2024	EPA 533	PFUnA	< MRL
118145R	6/17/2024	EPA 537.1	NEtFOSAA	< MRL
118145R	6/17/2024	EPA 537.1	NMeFOSAA	< MRL
118145R	6/17/2024	EPA 537.1	PFTA	< MRL
118145R	6/17/2024	EPA 537.1	PFTTrDA	< MRL
<b>Sample Event</b>	<b>SE3</b>	<b>Sample Schedule</b>	<b>Aug-24</b>	
<b>Facility ID</b>	<b>3700AUBURN</b>	<b>Name</b>	<b>Consecutive Connection to the City of Topeka</b>	
<b>Sample Point ID</b>	<b>CC0037</b>	<b>Name</b>	<b>3700 Pump Station Sample Point (EP)</b>	
<b>Sample ID</b>	<b>Collection Date</b>	<b>Method</b>	<b>Analyte</b>	<b>Result</b>
119585P	8/14/2024	EPA 200.7	lithium	20
124198R	12/4/2024	EPA 533	11CI-PF3OUdS	< MRL
124198R	12/4/2024	EPA 533	4:2 FTS	< MRL
124198R	12/4/2024	EPA 533	6:2 FTS	< MRL
124198R	12/4/2024	EPA 533	8:2 FTS	< MRL
124198R	12/4/2024	EPA 533	9CI-PF3ONS	< MRL
124198R	12/4/2024	EPA 533	ADONA	< MRL
124198R	12/4/2024	EPA 533	HFPO-DA	< MRL
124198R	12/4/2024	EPA 533	NFDHA	< MRL
124198R	12/4/2024	EPA 533	PFBA	< MRL
124198R	12/4/2024	EPA 533	PFBS	< MRL

124198R	12/4/2024	EPA 533	PFDA	< MRL
124198R	12/4/2024	EPA 533	PFDoA	< MRL
124198R	12/4/2024	EPA 533	PFEESA	< MRL
124198R	12/4/2024	EPA 533	PFHpA	< MRL
124198R	12/4/2024	EPA 533	PFHpS	< MRL
124198R	12/4/2024	EPA 533	PFHxA	< MRL
124198R	12/4/2024	EPA 533	PFHxS	< MRL
124198R	12/4/2024	EPA 533	PFMBA	< MRL
124198R	12/4/2024	EPA 533	PFMPA	< MRL
124198R	12/4/2024	EPA 533	PFNA	< MRL
124198R	12/4/2024	EPA 533	PFOA	< MRL
124198R	12/4/2024	EPA 533	PFOS	< MRL
124198R	12/4/2024	EPA 533	PFPeA	< MRL
124198R	12/4/2024	EPA 533	PFPeS	< MRL
124198R	12/4/2024	EPA 533	PFUnA	< MRL
119585P	8/14/2024	EPA 537.1	NEtFOSAA	< MRL
119585P	8/14/2024	EPA 537.1	NMeFOSAA	< MRL
119585P	8/14/2024	EPA 537.1	PFTA	< MRL
119585P	8/14/2024	EPA 537.1	PFTTrDA	< MRL
Sample Event	SE4	Sample Schedule	Nov-24	
Facility ID	3700AUBURN	Name	Consecutive Connection to the City of Topeka	
Sample Point ID	CC0037	Name	3700 Pump Station Sample Point (EP)	
Sample ID	Collection Date	Method	Analyte	Result
123185P	11/13/2024	EPA 200.7	lithium	17
123185P	11/13/2024	EPA 533	11Cl-PF3OUdS	< MRL
123185P	11/13/2024	EPA 533	4:2 FTS	< MRL
123185P	11/13/2024	EPA 533	6:2 FTS	< MRL
123185P	11/13/2024	EPA 533	8:2 FTS	< MRL
123185P	11/13/2024	EPA 533	9Cl-PF3ONS	< MRL
123185P	11/13/2024	EPA 533	ADONA	< MRL
123185P	11/13/2024	EPA 533	HFPO-DA	< MRL
123185P	11/13/2024	EPA 533	NFDHA	< MRL
123185P	11/13/2024	EPA 533	PFBA	< MRL
123185P	11/13/2024	EPA 533	PFBS	< MRL
123185P	11/13/2024	EPA 533	PFDA	< MRL
123185P	11/13/2024	EPA 533	PFDoA	< MRL
123185P	11/13/2024	EPA 533	PFEESA	< MRL
123185P	11/13/2024	EPA 533	PFHpA	< MRL
123185P	11/13/2024	EPA 533	PFHpS	< MRL
123185P	11/13/2024	EPA 533	PFHxA	< MRL
123185P	11/13/2024	EPA 533	PFHxS	< MRL
123185P	11/13/2024	EPA 533	PFMBA	< MRL
123185P	11/13/2024	EPA 533	PFMPA	< MRL
123185P	11/13/2024	EPA 533	PFNA	< MRL
123185P	11/13/2024	EPA 533	PFOA	< MRL
123185P	11/13/2024	EPA 533	PFOS	< MRL
123185P	11/13/2024	EPA 533	PFPeA	< MRL
123185P	11/13/2024	EPA 533	PFPeS	< MRL
123185P	11/13/2024	EPA 533	PFUnA	< MRL
123185P	11/13/2024	EPA 537.1	NEtFOSAA	< MRL
123185P	11/13/2024	EPA 537.1	NMeFOSAA	< MRL
123185P	11/13/2024	EPA 537.1	PFTA	< MRL
123185P	11/14/2024	EPA 537.2	PFTTrDA	< MRL