



## 2025 ANNUAL REPORT TO VILLAGE OF NEILBURG CONSUMERS

For the reporting period of January 1, 2025 to December 31, 2025 we met all regulations governing the quality of the water both as it leaves the treatment plant and at the point of use as measured throughout the distribution system.

### TREATED WATER QUALITY

We are required, on a daily basis, to ensure our water leaving the treatment plant contains sufficient levels of disinfectant. This is measured as the Free Chlorine residual and the Total Chlorine residual. For each of these parameters 365 tests were required and 365 tests were performed with all results meeting or exceeding our required disinfectant levels.

We are also required to perform daily turbidity readings of the water leaving the plant and also of the water coming out of each filter. Turbidity is a measure of the degree to which the water loses its transparency due to the presence of suspended particulates. We are required to maintain turbidities of less than 1.0 NTU at each of these three test points. For each point, 365 tests were required and 365 tests were performed.

### DISTRIBUTED WATER QUALITY

Every two weeks we are required to sample the water coming out of our distribution system. Each time, two samples are taken. One for testing for disinfectant levels and the other is sent away for bacteriological testing.

During this period 24 samples were required and 30 samples were taken. All 30 samples met or exceeded the required disinfectant levels and of the 30 samples sent away, none of them tested positive for bacteria.

On October 16, 2025 the Village of Neilburg was placed on a Precautionary Drinking Water Advisory (PDWA) by the Water Security Agency due to the Water Treatment Plant being shut down for 12 hours for work being done on the Water Treatment Plant Construction. The Precautionary Drinking Water Advisory was rescinded by the Water Security Agency on October 30, 2025 after the required two (2) consecutive sets of three (3) bacteriological samples from the distribution system was returned with acceptable results.

### GENERAL CHEMICAL/ HEALTH AND TOXICITY

Every second year we are required to submit samples of our treated water for comprehensive testing at an accredited lab. This testing monitors levels of substances commonly found in water that can affect our health if present at concentrations above the levels considered to be safe. The testing also characterizes the compounds in the water that, although typically harmless, can reduce its aesthetic value. These compounds include hardness as well as ones that can give water an unpleasant taste, smell or color. The last tested date was December 2, 2025.

Although our water contains more minerals than we would like, as far as health concerns go, we have no harmful substances that exceed the regulated maximum allowable levels. These levels will have significantly changed with the New Water Treatment Plant RO System that came online December 11, 2025.

## CHEMICAL HEALTH ANALYSIS OF NEILBURG WATER SAMPLED DECEMBER 2, 2025

**\* Taken Prior to the New Water Treatment RO System**

Parameter	Sample Result	SK Guideline	Parameter	Sample Result	SK Guideline
<b>Health and Toxicity Panel</b>					
Boron	0.3 mg/L	<5.0 mg/L	Aluminum	<6.96 µg/L	no guideline
Arsenic	1.0 µg/L	<10 µg/L	Barium	12.2 µg/L	<1000 µg/L
Cadmium	<0.15 µg/L	<5 µg/L	Chromium	0.19 µg/L	<50 µg/L
Copper	<8.29 µg/L	<1000 µg/L	Lead	<0.07 µg/L	<10 µg/L
Selenium	<1.13 µg/L	<10 µg/L	Uranium	0.40 µg/L	<20 µg/L
Zinc	<4.00 µg/L	<5000 µg/L	Antimony	<0.16 µg/L	no guideline
Silver	<0.20 µg/L	no guideline			
<b>General Chemistry/Water Quality Panel</b>					
Conductivity	1727 µS/cm	<2300 µS/cm	pH	7.6	7.0-10.5
Total Alkalinity	507 mg/L	<500 mg/L	Phenol Alkalinity	0.00 mg/L	no guideline
Bicarbonate	619 mg/L	no guideline	Carbonate	0 mg/L	no guideline
Hydroxide	0 mg/L	no guideline	Chloride Dissolved	15.1 mg/L	<250 mg/L
Fluoride Dissolved	0.20 mg/L	<1.5 mg/L	Nitrate Dissolved	<0.2 mg/L	<45 mg/L
Sulfate Dissolved	512.3 mg/L	<500 mg/L	Calcium	207 mg/L	no guideline
Magnesium	84 mg/L	<200 mg/L	Potassium	9 mg/L	no guideline
Sodium	94 mg/L	<300 mg/L	Total Hardness	924 mg/L	<800 mg/L
T.D.S.	1577 mg/L	<1500 mg/L	Iron	0.2 mg/L	<0.3 mg/L
Manganese	0.23 mg/L	<0.05 mg/L			

More information on water quality and sample submission performance may be obtained from: Saskatchewan Environment's "Municipal Drinking Water Quality Monitoring Guidelines, October 2020, EPB 202" or from Health Canada at: <http://www.hc-sc.gc.ca>.

**Please Note:** Notifications of water service interruptions will be done as posters hung up throughout the village and/or a mail drop flyer and/or on our website at [www.neilburg.ca](http://www.neilburg.ca) and/or the Village of Neilburg Facebook page. Please check your mail and poster boards regularly.