

SODIUM IN THE MELROSE DRINKING WATER SUPPLY – FEBRUARY 2022

Water samples taken from the Melrose Drinking Water System indicate that sodium levels in the drinking water are at approximately 28 mg/L. The objective for sodium in drinking water is 200 mg/L. However, when the sodium levels are higher than 20 mg/L, the Ministry of Health and Long-Term Care recommends that the Medical Officer of Health take measures to inform **persons on sodium restricted diets** so they can control their sodium intake.

This is a bacteriologically safe water supply. Drinking up to two litres of water per day from this system would contribute approximately 56 milligrams of sodium to a person's diet. For healthy children and adults, this sodium level in drinking water **does not pose a risk**. Health Canada recommends children and adults consume 1200 – 1500 mg of sodium per day, depending on age. However, for people on very strict, strict or moderate sodium restricted diets, the amount of sodium in the water may be significant. (See chart below.)

Your body needs sodium in order to maintain blood pressure, control fluid levels and for normal nerve and muscle function. Food products, not water, are the major source of sodium in our diets. It is also found in drugs such as antacids, laxatives, aspirin and cough medicines, as well as table salt. One teaspoon of table salt contains 2300 mg of sodium.

For a healthy child or adult, the level of sodium in the water supply does not pose a risk to health. If you have been identified by your physician as having kidney disease, heart disease, high blood pressure or liver disease, and have to restrict your sodium intake, please consult your physician. The chart shows different levels of sodium restricted diets and the amount of sodium obtained from your drinking water if it was at 28 mg/L of sodium.

Sodium-restricted Diet Summary*

| | Maximum intake of sodium allowed per day | Amount of sodium in 2L of drinking water |
|------------------|--|--|
| Very Strict Diet | 500 mg/day | 56 mg/day |
| Strict Diet | 1000 mg/day | 56 mg/day |
| Moderate Diet | 2000 mg/day | 56 mg/day |
| Mild Diet | 3000 mg/day | 56 mg/day |

* Sodium-restricted diets may be defined differently. If you are on a sodium-restricted diet, follow your health care provider's guidance about the amount of sodium that is recommended for you.

If you have any questions about sodium in your drinking water, please consult your physician, call the Middlesex-London Health Unit at 519-663-5317 or on the internet at www.healthunit.com, or to speak to a dietitian, please call Telehealth Ontario at 1-866-797-0000.