

CORROSION CONTROL PLAN

The City of Thunder Bay is required to have an approved Corrosion Control Plan in accordance with Drinking Water System Regulation O.Reg. 170/03. The City's plan was approved by the Ministry of Environment and Climate Change in 2010 and amended in 2014 to include a pilot study in the Hodder Pressure Zone.

The removal of lead service pipes remains a key priority in the Plan. However, the full removal of lead service pipes will take many years to accomplish. In the short term, lead levels can be reduced in private plumbing systems across the City through the addition of sodium hydroxide for pH adjustment.

City-wide pH adjustment through the addition of sodium hydroxide to the drinking water system is a safe and effective method to reduce lead levels at the tap. This method of lead reduction will commence in early 2018.

For more information on the City's Corrosion Control Plan, please visit www.thunderbay.ca/leadpipes

WATER QUALITY TESTING

Each year, the City of Thunder Bay sends more than 2,400 water samples to an independent laboratory to be monitored for potential contaminants. If you suspect you have a lead service pipe connection and are concerned about lead levels in your water, contact the City of Thunder Bay, Environment Division at 625-2195 to arrange a free test.

CONTACT US

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thunderbay.ca/water

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Environment Division
water
AUTHORITY
Every drop is superior...



IMPORTANT PUBLIC NOTICE

DRINKING WATER SYSTEM
CHANGE TO REDUCE
LEAD LEVELS AT THE TAP



thunderbay.ca/water

REDUCING LEAD LEVELS THROUGH pH ADJUSTMENT OF DRINKING WATER

Starting in early 2018, an adjustment to the pH of the City's drinking water will be made to reduce lead levels at the tap. Small amounts of sodium hydroxide will be added to the drinking water at the Bare Point Water Treatment Plant.

Sodium hydroxide is an approved corrosion control inhibitor in the treatment of drinking water as listed in NSF/ANSI Standard 60.

Sodium hydroxide is safe and approved for use in the City of Thunder Bay's Drinking Water Permit from the Ministry of Environment and Climate Change and is supported by the Thunder Bay District Health Unit and Thunder Bay City Council.

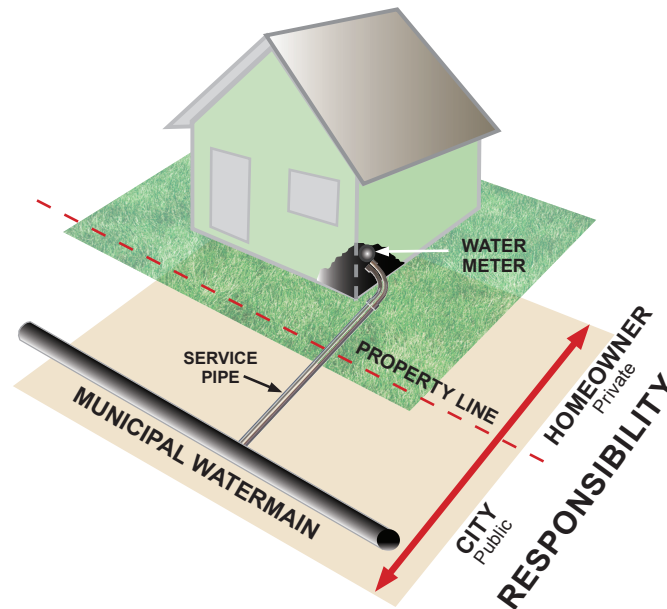
For more information on sodium hydroxide in drinking water please visit www.thunderbay.ca/water



SOURCES OF LEAD IN DRINKING WATER

Lead can leach into your drinking water through the corrosion of plumbing materials that contain lead, such as lead service pipes, lead solder and leaded-brass fixtures (faucets and valves).

Lead service pipes were typically used for homes and businesses prior to 1955.



When watermains are rehabilitated, the municipal owned portion of the lead service pipes connected to the watermain are removed. The City encourages residents to replace their private portion of the lead service pipe at the same time.

For more information on the City's lead replacement program please visit www.thunderbay.ca/leadpipes

HEALTH EFFECTS OF LEAD EXPOSURE

Lead found in drinking water can pose a significant health risk if too much enters the body. Lead exposure targets specific areas of the body such as the nervous system, blood system and the kidneys. The population at the highest risk of lead exposure are infants, young children under the age of six and pregnant women.



According to Health Canada, homes with a lead service pipe or plumbing should turn on the cold water tap until the water runs cold first thing in the morning, or at any other time when the water has been left standing in your home's plumbing system for a long time.

For more information on health risks, please visit www.tbdhu.com/health-topics/drinking-water