

March 27, 2024

Township of King
2585 King Road
King City, Ontario L7B 1A1

Dear Mayor Pellegrini,

Thank you for your inquiry regarding iron in the Nobleton Drinking Water System. I hope you find the following information helpful and please reach out if you have any further questions.


Iron is a metal very commonly found in the environment, including in water. Iron is considered an essential element in human nutrition, and according to [Health Canada](#) there is no evidence that concentrations of iron commonly present in food or drinking water constitute any hazard to human health. As such, there is no maximum acceptable concentration of iron in drinking water, rather it is considered an aesthetic issue.

Iron has been assigned a drinking water aesthetic value of 0.3mg/L by Ontario and Health Canada. This means that concentrations above this number may impact the taste, odour or appearance of the water, but not its suitability for drinking from a health perspective.

Iron enters the Nobleton Drinking Water System through groundwater wells. The iron levels reported in [Nobleton for Q2 of 2023](#) were 0.765mg/L. This is above the aesthetic value, but is not a health concern. In some cases, efforts may be made to reduce the discoloration of the water, including using sodium silicate to sequester the Iron.

The Nobleton Drinking Water System was inspected by the Ministry of the Environment, Conservation and Parks in 2023 and received a score of 100%, and the Township of King performs routine maintenance on the distribution system. Furthermore, there were no reportable incidents in the Nobleton Drinking Water System in 2023. York Region Public Works is in the planning stages for future ground water treatment and removal of iron and manganese from the Nobleton Drinking Water System.

We hope this answers any concerns that may have been brought forward,



Dr. Barry Pakes
Medical Officer of Health
Community and Health Services Department, Public Health