



New Hampton Village Precinct

PO Box 506
New Hampton, NH 03256

Water Quality Testing Results – July, August 2019

NHVP has retained the services of Underwood Engineers to assist with the evaluation and recommendation of corrective actions for short and long term system improvements. Please watch for regular updates via email and on the Town webpage at <http://www.new-hampton.nh.us/>

Water Sampling results for July and August, 2019

Sample Description	Sample Date	Sample Results*	Standard or Guideline
Residential Sampling (22 sites)	August 2019	Stagnant Lead 2 to 56 ppb Stagnant Copper 0.02 to 1.2 mg/L	Stagnant Lead - 15 ppb Stagnant Copper - 1.3 mg/L
Non Residential Sampling (2 Sites)	July 30, 2019	Bacteria ABSENT Iron 0.7-1.0 mg/L Manganese 0.15—0.17 mg/L Total Organic Carbon 2.7-2.8 mg/L pH 7.2-7.4 Alkalinity 76-85 mg/L Color – Amber	Bacteria - <i>ABSENT</i> Iron - 0.3 mg/L (aesthetic) Mn—0.05 mg/L (aesthetic) TOC - no standard pH 6.5 – 8.5 (secondary) Alkalinity – no standard Color – 15 units
Water Treatment Plant Filtered	July 8, 2019	Iron 0.61 mg/L Manganese 0.036 mg/L	Iron - 0.3 mg/L (aesthetic) Mn – 0.05 mg/L (aesthetic)
New Hampton Fire Station	July 8, 2019	Total Trihalomethanes (TTHM) – 124 ppb	TTHM – 80 ppb
Town Offices	July 8, 2019	Haloacetic Acids (HAA5) – 112 ppb	HAA5 – 60 ppb

*Stagnant = First flush or first draw sample.

Actions we are taking to address the above water quality issues include the following:

- Continued corrosion control through the addition of Sodium Bicarbonate, to maintain a more neutral pH and adequate alkalinity in the system. This has reduced the water corrosivity to COPPER from a high of 2.8 mg/L in May-June to 1.2 mg/L maximum levels in August.
- We will be installing a poly/ortho phosphate blend commonly used in water systems to reduce water corrosivity to LEAD, and to sequester dissolved IRON and MANGANESE in the distribution piping. We anticipate starting the phosphate as soon as possible in September and collecting samples this fall to evaluate performance.
- We are reviewing the location of our water intake to establish if a shallower intake level may reduce the total organic carbon (color) and dissolved iron/Mn levels in the raw water. If so, we will implement the required changes as soon as possible
- Our consultant will be performing other water testing, such as optimizing the chlorine addition, to recommend treatment improvements to reduce the levels of Total Trihalomethanes and Haloacetic Acids chlorination byproducts. This evaluation will be completed this fall after improvements to the water intake and corrosion control.

Until these issues are addressed, **please continue to flush your tap daily before using water for consumption.** This avoids elevated lead and copper since the metals take time to leach from the plumbing into the water. Please feel free to contact us at barryre@metrocast.net or phone 744-7921 with any questions regarding the water quality and our plan of action.