



TOWNSHIP OF NORTH HURON

REPORT

Item No.

REPORT TO: Reeve Vincent and Members of Council
PREPARED BY: Sean McGhee
DATE: 05/02/2018
SUBJECT: Blyth Treated Water Quality Reporting
ATTACHMENTS: Blyth DWS Notification – Huron County Health Unit, Notification letter - NH

RECOMMENDATION:

THAT the Council of the Township of North Huron hereby receive the report of the Director of Public Works, dated February 5, 2018 regarding Sodium and Fluoride levels in the Blyth treated water system for information.

EXECUTIVE SUMMARY

As required by provincial legislation, the Township's municipal drinking water systems are monitored for Sodium and Fluoride. The Blyth water system has historically experienced elevated naturally occurring levels for both Sodium and Fluoride.

Water samples taken on January 2nd, 2018 indicated a Sodium level of 23.1 mg/l with a level of 22.5 mg/l measured in the resample taken on January 9th, 2018. An aesthetic objective for sodium in drinking water has been established at 200mg/l, although the local Medical Officer of Health is to be notified when concentrations exceed 20mg/l. Elevated sodium in drinking water can contribute to overall sodium intake which will be of interest to individuals who are on a sodium restricted diet.

The Ontario Drinking Water Quality Standards indicate that the acceptable level of Fluoride in drinking water is 1.5 mg/l or less. In the event of naturally occurring concentrations of Fluoride between 1.5 mg/l and 2.4 mg/l, it is recommended that local Health Units be notified and public information be provided to assist in managing additional fluoride exposure. Fluoride levels were identified at 1.77 mg/l and 1.81 mg/l in the January 2018 sample programs.

All appropriate notifications have been completed. An insert with information provided by the Huron County Health Unit will be distributed to the residents of Blyth with the water billing mail-out in February.

DISCUSSION

The attached documents are being provided to the residents of Blyth. These documents contain detailed information and recommend courses of action for the water users. Contact information for the County Health Unit and Township staff has been included in the information being provided to our water system users.

FINANCIAL IMPACT

There are no significant financial implications to the Township noted.

FUTURE CONSIDERATIONS

Although the regulatory requirement for sampling of Sodium is based on a five-year interval, the Township has, and should continue to monitor Sodium levels annually.

RELATIONSHIP TO STRATEGIC PLAN

This project relates to **Goal No. 3** of the Strategic Plan in that the Township is healthy and safe.



Sean McGhee, Director of Public Works



Dwayne Evans, CAO