



Staff Report

Report To: Dan Best, Chief Administrative Officer
From: **Don Giberson, Environmental Services Director**
Date: May 7 2018
Report: ESD.18.19
Subject: Ministry of the Environment and Climate Change
2017 Inspection Report South Huron Water
Distribution System

Recommendations:

That South Huron Council receive the report from Don Giberson, ESD Director RE: Ministry of the Environment and Climate Change 2017 Inspection Report South Huron Water Distribution System.

Purpose:

Information

Background and Analysis:

Under the Safe Drinking Water Act, the Ministry of the Environment and Climate Change (MOECC) carries out annual inspections of municipal drinking water systems. The Ministry carried out an unannounced inspection of the South Huron Water Distribution System on December 29, 2017 and a follow up meeting with the Water System ORO and ESD Director on January 9, 2018. This Inspection covers the period from December 20, 2016 to December 29, 2017.

Members of Council should be aware that the Standard of Care provision of the Safe Drinking Water Act creates obligations for individuals who exercise decision-making authority over municipal drinking water systems. In order to protect your personal liability, Members of Council need to be informed about the drinking water system. This would include requesting a copy of the annual inspection report and reviewing the findings. Further information about Standard of Care can be found in "Taking Care of Your Drinking Water: A guide

for members of municipal council” found on the Drinking Water Ontario website at www.ontario.ca/drinkingwater

The focus of this recent inspection was to confirm compliance with Provincial Legislation, as well as evaluating conformance with Ministry drinking water related policies and guidelines during the inspection period. The Ministry has a rigorous and comprehensive approach to inspection of drinking water systems that focuses on source, treatment and distribution components of the system as well as management practices. The South Huron inspection report is based on a stand-alone distribution system that receives treated water from another regulated system, the Lake Huron Primary Water Supply System. The report contains all of the elements required to assess compliance issues and to ensure that the system was being properly operated and managed.

The Municipality received the final inspection report on April 17, 2018. The issuance of the Inspection report was delayed by the Ministry in anticipation of completion of capital works at the Exeter water tower. However, unexpected replacement of the main control valve at the MacNaughton Booster Pumping Station delayed the implementation of the new mixing system and associated SCADA system programming. The effectiveness of the Exeter water tower mixing system and distribution system programming changes to improve chlorine residuals in the water distribution system will be included in next years’ MOECC inspection.

The South Huron Water Distribution System was found to be in full regulatory compliance. There were no non-compliance issues, no best practice issues noted and no follow up action required. A copy of the inspection report is attached and a copy has been posted for public viewing on the Municipal Web site.

In order to measure individual inspection results, the MOECC has established an inspection compliance risk framework based on the principles of the Inspection, Investigation & Enforcement Secretariat. The Inspection Rating Record is included as an appendix to the inspection report. This provides the Ministry, the system owner and the local Public Health Unit with a quantitative measure of the drinking water system’s annual inspection and regulated water quality testing performance. IRR ratings are published (for the previous inspection year) in the Ministry’s Chief Drinking Water Inspectors’ Annual Report. The following is a summary of ratings for the South Huron Water Distribution System inspection:

Ministry of the Environment - Inspection Summary Rating Record (Reporting Year 2017-2018)

Inspection Risk Rating: **0.00%**

Final Inspection Rating: **100.00%**

The South Huron Drinking Water System continues to achieve excellent inspection results, with low Risk Ratings and high Inspection Ratings. This is the ninth consecutive year that South Huron has achieved the highest percentile inspection rating (top 5%) and the seventh time that South Huron has achieved a 100% inspection rating.

These results are only possible with very dedicated staff and the continued support of Council.

Operational Considerations:

This report is provide for information purposes and there were no alternatives considered.

South Huron's Strategic Plan:

Section 6.2.2 of the Municipality of South Huron 2015- 2019 Strategic Plan identifies key objectives that are reflective of the collective perspectives of the strategic planning process.

The recommendations and actions outlined in this report are reflective of the following strategic objectives:

Administrative Efficiency and Fiscal Responsibility

Informing Council of the results of Ministry's Inspection of the Water Distribution System, reduces liability and results in efficient use of time/resources.

Increased Communications and Municipal Leadership

Communicating information to Council related to drinking water, keeps all Members of Council informed and assists in making informed decisions, resulting in good stewardship of the South Huron Drinking Water System.

Reports to Council and associated Media reporting, assists to keep the public informed of the performance of the Drinking Water System.

Transparent, Accountable and Collaborative Governance

Public reporting of the results of the Ministry's Inspection of the Water Distribution System, demonstrates commitment to transparent, accountable and collaborative governance.

Dedicated Economic Development Effort

Informing Council of the results of the Ministry's Inspection of the Water Distribution System and associated regulatory compliance, results in increased public confidence; retention/attraction of businesses and economic development opportunities.

Financial Impact:

There are no financial implications for the Corporation resulting from the proposed recommendation.

Legal Impact:

There are no legal implications for the Corporation resulting from the proposed recommendation.

Staffing Impact:

There are no staffing implications for the Corporation resulting from the proposed recommendation.

Policies/Legislation:

1. Safe Drinking Water Act, 2002, S.O. 2002, c. 32
2. Ontario Regulation 128/04 - Certification of Drinking Water System Operators
3. Ontario Regulation 169/03 - Ontario Drinking Water Quality Standards
4. Ontario Regulation 170/03 - Drinking Water Systems
5. Ontario Regulation 188/07 - Licensing of Municipal Drinking Water Systems

Consultation:

Water/Sewer Foreman and Drinking Water System "Over-All-Responsible Operator" was consulted and contributed information to this report.

Related Documents:

1. Ministry of the Environment and Climate Change SOUTH HURON DISTRIBUTION SYSTEM Inspection Report #1-F9FHR

Respectfully submitted,

A handwritten signature in black ink, consisting of several loops and vertical strokes, enclosed within a large, hand-drawn oval.

Don Giberson, Environmental Services Director